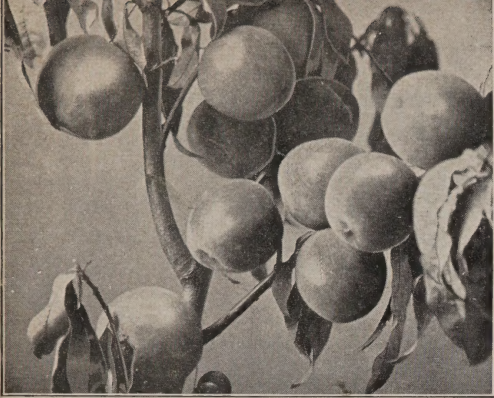


Historic, Archive Document

Do not assume content reflects current
scientific knowledge, policies, or practices.



SAVE MONEY by Ordering Apple and Peach Tree Specials on Page 12

Catalog No. 54

\$1.00 Apple Tree Special

For only \$1.00 we will send you the following two-year-old apple trees:

- 1 Red Delicious
- 1 Yellow Delicious
- 1 Jonathan

(See Page 12)

\$1.00 Peach Tree Special

For only \$1.00 we will send you 6 one-year-old peach trees (whole root), YOUR selection of varieties on page 12.

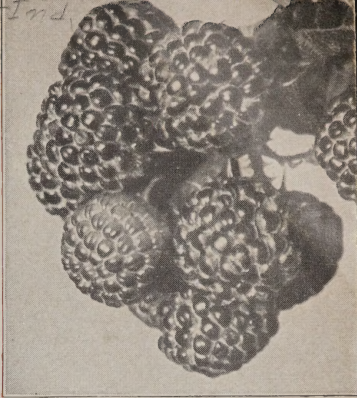
\$1.85 Berry Special

Postpaid

All 15 of these choice berries:

- 6 Thornless Boysenberries
- 5 Giant Red Latham
- 4 Cumberland Black Raspberries

(See Page 15)



SAVE MONEY by ordering Berry Specials on Pages 14 and 15

BROWER MANUFACTURING CO.

QUINCY, ILLINOIS



SAVE

15% to 20%

Take Advantage of Our Special VICTORY Garden OFFERS on Seeds and Plants

BUY EARLY!

	Page		Page
• Proso	2	• Evergreens and Shrubs	11
• Roses	3	• Fruit Trees	12-13
• Vegetable Seeds	4-7	• Berries	14-16
• Flower Seeds	8-9	• Poultry Equipment	17-28
• Flowering Trees	10	• Special Order Blank	29
• Books	31		

BIG 12-PAGE POULTRY EQUIPMENT SECTION

Starting Battery Brooder
Electric Floor Brooder
Oil-Heated Floor Brooder
Wood and Blue Flame Brooders

Chick and Broiler Founts
Laying Flock Equipment
Incubators and Feed Mixers
Repair Parts and Specialties

\$1.00 Flower Seed Special

15 Big Packets—Postpaid
One packet each of the following:

- Alyssum—Little Gem
- Aster—Giant Comet
- Cosmos—Early Mixed
- Delphinium—Assorted Color
- Marigold—African Mixed
- Morning Glory—Giant Mixed
- Nasturtium—Dwarf Mixed
- Patunia—Single Mixed
- Phlox—Mixed Color
- Poppy—Mixed Color
- Snap Dragon—Giant Mixed
- Sweet Peas—Mixed Color
- Sweet William—Perennial
- Verbena—Annual Mixed
- Zinnia—California Giant

(See Page 9)

Rose Bargains on Page 3

Pink
Radiance



\$1.00 VICTORY GARDEN SPECIAL

16 Big Packets—Postpaid

- 1 Large Pkt. Stringless Green Pot Bean
- 1 Large Pkt. Golden Wax Bean
- 1 Large Pkt. Golden Bantam Corn
- 1 Large Pkt. Stowell's Evergreen Corn
- 1 Pkt. Detroit Dark Red Beets
- 1 Pkt. Danver's Half Long Carrot
- 1 Large Pkt. Alaska Peas
- 1 Pkt. Early Scarlet Globe Radish
- 1 Pkt. Purple Top White Globe Turnip
- 1 Pkt. Icicle Radish
- 1 Large Pkt. Henderson's Bush Lima Bean
- 1 Pkt. Swiss Chard
- 1 Pkt. Black Seeded Lettuce
- 1 Pkt. Early Yellow Globe Onion
- 1 Large Pkt. Telephone Peas
- 1 Pkt. White Bush Squash

(See Page 4)

\$1.95 VICTORY GARDEN SPECIAL

4 1/2-lb. Packages and 18 Big Packets Postpaid

- 1/2 lb. Stringless Green Pot Beans
- 1/2 lb. Improved Golden Wax Beans
- 1/2 lb. Henderson's Bush Lima Beans
- 1/2 lb. Telephone Peas
- 1 Large Pkt. Golden Bantam Corn
- 1 Large Pkt. Country Gentleman Corn
- 1 Pkt. Detroit Dark Red Beets
- 1 Pkt. Giant Lucullus Swiss Chard
- 1 Pkt. Early Flat Dutch Cabbage
- 1 Pkt. Danver's Half Long Carrot
- 1 Pkt. Improved White Spine Cucumber
- 1 Pkt. Black Seeded Simpson Lettuce
- 1 Pkt. Heart-O-Gold Muskmelon
- 1 Pkt. Early Yellow Globe Danver Onion
- 1 Pkt. Early Scarlet Globe Radish
- 1 Pkt. Icicle Radish
- 1 Pkt. Purple Top White Globe Turnip
- 1 Pkt. White Bush Squash
- 1 Pkt. Bloomsdale Spinnach
- 1 Pkt. New Violet Alyssum
- 1 Pkt. New Cupid Zinnia
- 1 Pkt. Giant Rose Queen Double Zinnia

(See Page 7)

Complete Flower Selection on Pages 8 and 9

Gaillardia



Our Twenty-second Year

Copyright, 1943, Brower Mfg. Co. Printed in U. S. A.

GUARANTEE - TERMS AND INSTRUCTIONS

GUARANTEE

We positively guarantee all Seeds, Trees, Shrubbery, Roses and other plants to be exactly as described in this Catalog and true to name. All are state inspected and carry our Nursery State Certification. Any item that can be proved otherwise, the amount paid will be refunded. Trees, Berries, Shrubbery and Plants are like animals, they breathe, drink and feed and are subject to diseases and insects. Their growing and bearing success depends upon soil, cultivation and weather conditions, over which we have no control. In no case shall we be liable for more than the original purchase price. See Poultry Equipment Guarantee on Page 18.

TERMS—Cash with Order—Money may be sent by check, bank draft, post office or express money order. Currency and coin at your own risk. C. O. D. shipments will not be recognized. These terms make possible the quoting of the very lowest prices throughout our catalog.

ERRORS—Customers are requested to send notice at once upon receipt of shipment of any errors in filling orders so they may be rectified and explained.

THE SHIPPING SEASON—There can be no definite time specified for beginning to ship, either in the spring or fall. This is regulated by the opening of the season, whether early or late. Planting is regulated by the condition of the stock. It is, therefore, better that orders be sent in early so stock can be shipped at the proper season in good condition.

We recommend that anyone growing Flowers, Vegetables and Fruits buy a copy of "The Modern Family Garden Book"—price only \$1.00 postpaid; see description page 31.

Plant PROSO for Lower Feed Costs

For Poultry, Hogs, Cattle and Sheep

WHY YOU SHOULD PLANT PROSO:

1. Matures in 60 days.
2. Grows most anywhere.
3. Can be planted late.
4. A most profitable catch crop.
5. Will stand dry weather.
6. Enormous yields, 40 to 70 bushels per acre.
7. May be fed without threshing.
8. Makes low cost poultry and stock feed.
9. It's a Money-Maker.



Under favorable climatic and soil conditions, Proso plants generally reach a height of from 3 to 4 ft., stools and branches, and have been found to make from 15 to 25 heads (in place of only a few). A single head has produced as many as 1185 seeds. That is why it seems to yield large crops from unbelievably small plots of ground. One authority claims that a half pound of seed, with good conditions, should produce from 5 to 10 bu. of Proso. Although it originated in Russia, Proso does even better—seems to grow faster and matures more readily under many of our U. S. A. conditions. See letters below from northern states (Minn., Maine, Mont.). Reports seem to prove since being introduced into U. S. A., Proso has been acclimated to a point where it matches our own grain crops in adaptability to our many various soil conditions and temperatures. It is easy to thresh—may be planted any time after danger of frost is over and up to middle of July and produce a good crop. May be planted in high or dry soil or even in ground that has been drowned out and is not in shape to work until late in the season. Proso has been successfully planted in acid and soils not so suitable to some other grain crops. Especially valuable as a summer "catch" crop. Can be drilled in allowing only 5 lbs. to the acre; broadcasting requires approximately 12½ lbs. to the acre.



One Bundle of Proso Grown in Western S. Dakota

Only 2½ Pounds Plants One-Half Acre

Chickens, turkeys and all other domestic fowl and stock like it. We have seen birds eat more Proso than corn or wheat and in our own **Experimental plant**, particularly, our test birds preferred Proso to domestic grain. Makes a splendid mash when ground. Can be fed with corn or oats in the ratio of 4 parts of Proso to one part of other grain. May be fed in bundles, or as clean grain from the thrasher. An excellent scratch feed. Has been used with success as a **Hog, Cattle and Sheep feed**. Make an effort to cut your feed costs this season by making your own mash and scratch grains with Proso.

PRICES POSTPAID IN U. S. A.

Large Pkt., 10c

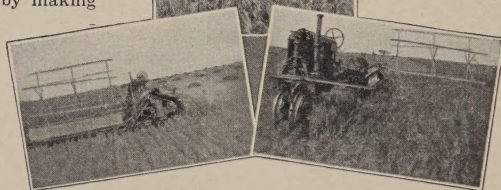
43-383-4 oz.....	\$0.30	43-383-12½ lbs.....	\$2.75
43-383-6 lbs.....	1.50	43-383-25 lbs.....	4.75

By express or freight, not prepaid.

43-383-50 lbs.....	\$6.50	43-383-100 lbs.....	\$11.00
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The views at left show a field of Proso being harvested in Colorado.



Enormous Yields in Many Cases

Read What These Customers Say ...

Won First Prize on PROSO at Two Fairs—"This is a neglected letter but it is never too late to praise your Proso. I purchased some from you last spring to try out up here and results were very satisfactory. I received First Prize on your Proso at two different fairs. It sure yields fine and makes such a good feed."—So writes a Proso grower in Minnesota.

A Wonderful Grain for Poultry—"I am enclosing check for five pounds of Proso. I had a trial package last year and it is a wonderful grain for poultry. It keeps the chickens busy scratching in the winter, which is good exercise for them."—This customer finds Proso a good grain crop in Maine.

Wonderfully Pleased with Proso—is this Montana grower. "Last spring I purchased a few pounds of your Proso seed. I am wonderfully pleased with it. The only way I can stop it growing and seeding this fall is to pull it up."

"Chicks Leave Other Feed for PROSO." says this Iowa customer. "We have tried out your Proso and think it is the greatest thing ever, for chickens. We are feeding some to young chicks and they leave other feed for it. They certainly thrive on Proso."

Ohio Grower Gets Big Yield—"You will be interested to know that the twelve and one-half pounds of Proso Seed we purchased last spring produced 550 lbs. of grain and the hay is proving splendid feed for our stock."

New and Old Favorites for Your Rose Gardens

EVERBLOOMING HYBRID TEA ROSES

Two-Year-Old Best No. 1 Stock

AMI QUINARD. Deep, rich velvety maroon, overcast with soft black-lustre. Buds make striking button-hole bouquets. Strong grower. Lasting fragrance.

AUTUMN. Buds are exquisite burnt sienna, opening to rich, golden yellow, stained with crimson. One of the finest multi-colored roses. Long stiff stems. A distinctive rose.

E. C. HILL. Dazzling scarlet. Long stems, long lasting. Prolific, showy. Buds very large. A delightfully fragrant rose.

ETOILE DE HOLLAND. Large, very fragrant, brilliant red. Especially free flowering.

GRUSS AN TEPLITZ. Fiery crimson, delicately fragrant, vivid. Grows to 4 or 5 feet; hardy in all sections. Succeeds under most ordinary conditions.

PRESIDENT HOOVER. Medium orange, center red shades. This is a general favorite, a gloriously colored bloom.

TALISMAN. New copper and gold yellow. Lasting, free bloomer. Hues delicately, perfectly blended. Orange-red buds unfold to golden yellow blooms, tinged with copper.

FLOWERING SHRUBS AND VINES

HONEYSUCKLE (Almond True Red). 15 feet. One of the finest. Flowers are deep purplish-red and produced in great abundance well above foliage. 2 to 3-ft. size, each, 85c; 3 for \$2.15, postpaid.

HONEYSUCKLE, CLIMBING (Goldflame). Immense showy clusters of trumpet-shaped buds and fragrant blooms. Foliage almost evergreen. Flowers delightfully fragrant, especially in the evening. Perfectly hardy. One of America's most beautiful new honeysuckles. 2-year No. 1 Plants. Each, 80c; 3 for \$2.10, postpaid.

SILVER LACE VINE or CHINESE FLEECE VINE (Polygonum Auberti). One of the fastest growing hardy vines in existence. Dense growth to 25 feet high, sometimes in a single season. Makes a beautiful array of foamy white sprays. 2-year No. 1 Vines. Each, 80c; 3 for \$1.80, postpaid.

CLEMATIS, JACKMANII. Hybrids; violet purple. One of the best of the flowering Clematis, produces an abundance of flowers often measuring 5 to 6 inches across. 2-year Medium Plants. Each, 90c; 3 for \$2.35, postpaid.

CLEMATIS, MDE. ANDRE RED. A very beautiful red flowering Clematis producing many fine flowers. 2-year Medium Plants. Each, 90c; 3 for \$2.35, postpaid.

FORSYTHIA, FORTUNEI (Golden Bell). First shrub to bloom in early spring. Golden yellow blossoms appear before leaves. Grows 6 ft. high. 2 to 3-ft. size, each, 90c; 3 for \$2.25, postpaid.

SNOWBALL HYDRANGEA. The earliest blooming Hydrangea. Grows 4 to 5 feet high, flowering from June until August. Snowy white balls, large and showy. A magnificent shrub which does well in either shady or sunny places. 2 to 3-ft. size, each, 90c; 3 for \$2.00, postpaid.

PERSIAN PURPLE LILAC. 12 feet. Graceful, drooping branches, does not sucker or spread from the roots. Single, loosely arranged, light lavender flowers. 2 to 3-ft. size, 80c; 3 for \$2.25, postpaid.

BOSTON IVY. A grand, hardy, climbing vine for covering churches, schools, homes, etc. Clings firmly to smoothest surface of wood, rock, brick. Leaves are glossy and in autumn turn to scarlet and crimson. Excellent for brick walls. Sun or shade. 2-year No. 1 Plants. Each, 30c; 3 for \$1.35, postpaid.

BITTERSWEET (Scandens). Handsome climber, large leaves, yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. Dried berry cluster find ready market for winter bouquets. 2-year No. 1 Plants. Each, 60c; 3 for \$1.50, postpaid.

HEDGE PLANTS

PRIVET, AMOOR RIVER. Not to be compared with Southern green hedge. Hardest Privet known. Best for planting north of Philadelphia, Cincinnati, Denver. 2-year-old size, 18 to 24 inches, ten for \$1.50; 25 for \$2.75; 100 for \$10.00.

BARBERRY, THUNBERGII. Brilliant Red Fruit and Foliage. Thorny growth keeps intruders out. Foliage scarlet in fall; red berries in winter. 3-year Heavy Plants, 18 to 24 inches, ten for \$2.50; 25 for \$5.60; 100 for \$17.00.

Shipped by Express, Not Prepaid.

JOANNA HILL. Large bud, long stems, lasting, profuse. An old favorite. Clear yellow.

KAISERIN AUGUSTE VICTORIA. Exquisite white with creamy center. Long, pointed buds.

CALEDONIA. Large, fragrant, snowy-white blooms. Always dependable for multitudes of blossoms.

SCARLET FLAME. Brilliant, vivid red. The successful result of long effort by Burbank to produce a rose of rare and unusual beauty.

MRS. CHAS. BELL. Soft, shell-pink with salmon background. A fine garden variety, splendid for cutting. Good bedder.

RED RADIANCE. Unusually hardy, vigorous and disease resistant. A most reliable red rose, exquisitely formed. Fragrant blooms develop on long, stiff stems. Lasting roses, lasting fragrance.

PINK RADIANCE. Bright pink. Extremely popular because it succeeds for all rose lovers with practically no care. Buds are large, full formed. A wonderful bedder. Stems are long, bearing magnificent blooms.

CLIMBING ROSES

CLIMBING AMERICAN BEAUTY. Vivid, rosy red. Early bloomer. Large flowers produced on individual stems. One of the best climbers.

EXCELSA (Red Dorothy Perkins). Large, bright crimson clusters which hold color for weeks. Hardy, vigorous, a most dependable true red rambler which replaces old crimson ramble.

PAUL'S SCARLET. Full, double scarlet flowers. Petals retain their vivid red color without fading and remain in bloom for two to four weeks.

DOROTHY PERKINS, PINK. A profusion of bright, rosy pink clusters appear in late spring. No sight more beautiful than a rose arbor or trellis covered with this ramble. Vigorous, thrives everywhere.

ROSE PRICES

All Best 2-Year No. 1 Stock

Each	\$0.65
3 for	1.65
6 for	3.10

All postpaid.

GREEN LEAF HEDGING, BRANCHED. 18 to 24 inches, ten for \$1.30; 25 for \$3.00; 100 for \$9.00.

RED LEAF BARBERRY. Bright red foliage. Like above varieties except leaves are iron red with tints of purple. Plant in sun for finest color. An outstanding hedge plant when planted in foreground of taller shrubs having green leaves. 2-year, 18 to 24-inch size, ten for \$3.70; 25 for \$8.00; 100 for \$28.00. Plants 15 to 18 inches, 10 for \$1.75; 25 for \$3.50; 100 for \$11.00.

Hedge Plants are shipped by express or freight, not prepaid, at above prices. On parcel post shipments, add 8c per plant on 18 to 24-inch size plants and 5c per plant on 10 and 25 lots; 2½c each on 100 lots.



SPECIAL ROSE OFFERS

BIG DOLLAR SPECIAL

- 1 Joanna Hill—Bright Yellow
- 1 Radiance—Red
- 1 Kaiserin Auguste Victoria—White
- All 2-year-old stock, No. 1½.

Three Popular
Roses

Only \$1.00

Postpaid

Best 2-Year Stock Special

All Best 2-Year-Old No. 1 Stock
BEAUTIFUL ASSORTMENT OF COLORS
ami Quinard—Deep, velvety maroon
Gruss an Teplitz—Fiery crimson
Mrs. Chas. Bell—Soft shell pink
Caledonia—Snowy white
Autumn—Golden bronze
Scarlet Flame—Brilliant, vivid red

Six Beautiful
Roses

Only \$2.90

Postpaid

Our "Big 17" Special Rose Collection

One each of all 17 Varieties listed on page. All best 2-year-old No. 1 stock.

Buy the Best in Beautiful Roses for only

45c Each

A Real Bargain for Lovers of Roses.

\$7.17

Postpaid

**Hustle Your
Order!**

Have Roses Blooming ALL Summer Long! Take Advantage of Special Offer

NEW and CHOICE VEGETABLE SEEDS

For Your 1943 Victory Garden



Golden Wax Bean

BOUNTIFUL. A fine quality bean. Considered the best of the flat-podded varieties. Nearly stringless, tender, very early and a heavy yielder. Large Pkt., 8c; ½ lb., 26c; 1 lb., 45c.

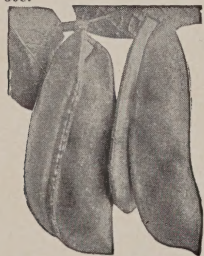
IMPROVED GOLDEN WAX. Vines medium sized, vigorous, hardy; pods broad, flat and of a golden yellow color. This variety is an improvement over the old Golden Wax. The plants are very resistant to rust. Large Pkt., 8c; ½ lb., 26c; 1 lb., 45c.

KENTUCKY WONDER (Pole Beans). Pods are green, about ten inches long and nearly round, fleshy, stringless and one of the finest flavored beans. Early and very prolific. Seed is long, oval, of yellowish color. 1 Large Pkt., 8c; ½ lb., 26c; 1 lb., 45c.

POLE LIMA BEANS

Sow 1 lb. to 100 ft. of row; 1 acre requires about 35 lbs.

KING OF THE GARDEN LIMA. Very vigorous and productive, continuing to fruit throughout the season. Pods are very large, sometimes as long as 8 inches, containing 6 to 7 beans to the pod. Used largely for home and market. 1 Large Pkt., 8c; ½ lb., 28c; 1 lb., 50c.



Bush Lima Bean

BUSH LIMA BEANS

BURPEE'S BUSH LIMA. Perhaps the best Dwarf Lima bean. Heavy yielder and sure cropper. Pods 4 to 5 inches long, containing 3 to 5 seeds, large, flat and white of excellent quality. Fine for both market and home use. 1 Large Pkt., 8c; ½ lb., 26c; 1 lb., 45c.

HENDERSON'S IMPROVED LIMA. Small bean, but most productive of all white sieve limas. The original lima. A great favorite in the South. 1 Large Pkt., 8c; ½ lb., 26c; 1 lb., 45c.

BEETS

Plant 1 oz. to 100-ft. row; 1 acre requires 7 lbs.

DETROIT DARK RED. Our strain of this beet is exact true type sought by market gardener trade. Very dark red color throughout. Plant for both early and late crops. A fine keeper for winter use. Pkt., 8c; 1 oz., 18c; ¼ lb., 60c.

EARLY WONDER. One of the earliest and most nearly uniform bunching beets that can be grown. Nearly globular in shape with small root and top; deep blood red. Pkt., 8c; 1 oz., 18c; ¼ lb., 60c.

MANGEL BEETS

Requires 1 oz. to 100-ft. row; 1 acre requires 5 lbs.

MAMMOTH LONG RED. Flesh is white, tinged with rose. Fine for stock feeding. A great favorite with dairymen and farmers. The roots are very large, straight, well formed. Pkt., 8c; 1 oz., 15c; ¼ lb., 40c; ½ lb., 80c; 1 lb., \$1.40.

ASPARAGUS

Sow 1 oz. of seed to 60 ft. of drill. **WASHINGTON.** A popular variety, primarily because of its resistance to the dreaded rust disease. The shoots are large, very vigorous, straight and of superb quality. Dark Green. Pkt., 8c; 1 oz., 20c; ¼ lb., 45c.

BEANS

Sow 1 lb. to 100 ft. of row; 1 acre requires 60 lbs.

STRINGLESS GREEN POD. Perhaps the most popular green bean in this section. Fine either for home use or market. Grows well and its long, slender pods are attractive to buyers, while its eating qualities are unsurpassed. Develops in 42 days to snap bean stage. Large Pkt., 8c; ½ lb., 26c; 1 lb., 45c.

BROCCOLI

GREEN ITALIAN. Large heads consisting of a cluster of bluish green flower heads, smaller heads produced on numerous lateral sprouts. Pkt., 8c.

BRUSSELS SPROUTS

DWARF IMPROVED. Stems 18 to 20 inches high, sprouts about 2 inches in diameter and well rounded. Pkt., 8c.

SWISS CHARD

Plant 1 oz. to 100-ft. row.

GIANT LUCULLUS. A new variety with stalks as thick and broad as rhubarb and leaves light green, much crumpled and curled. Pkt., 8c; 1 oz., 20c; ¼ lb., 50c; ½ lb., 88c.

CABBAGE

Sow 1 oz. for about 4,000 plants.

FIRST EARLY VARIETIES

EARLY JERSEY WAKEFIELD. This well-known standard variety is the earliest of the pointed head cabbages. Heads are very hard, solid and pointed. This variety is a sure header, will stand cold and unfavorable weather conditions, and is planted extensively by market gardeners throughout the country. Quality and flavor excellent. Pkt., 8c; 1 oz., 36c.



Early Jersey Wakefield

★ Victory Garden SPECIAL ★

- | | |
|--|---|
| 1 Large Pkt. Stringless Green Pod Bean | 1 Pkt. Early Scarlet Globe Radish |
| 1 Large Pkt. Golden Wax Bean | 1 Pkt. Purple Top White Globe Turnip |
| 1 Large Pkt. Golden Bantam Corn | 1 Large Pkt. Henderson's Bush Lima Bean |
| 1 Large Pkt. Stowell's Evergreen Corn | 1 Pkt. Swiss Chard |
| 1 Pkt. Detroit Dark Red Beets | 1 Pkt. Black Seeded Lettuce |
| 1 Pkt. Danvers' Half Long Carrot | 1 Pkt. Early Yellow Globe Onion |
| 1 Large Pkt. Alaska Peas | 1 Large Pkt. Telephone Peas |
| 1 Pkt. Icicle Radish | 1 Pkt. White Bush Squash |

16 BIG PACKETS (\$1.26 Value)

for ONLY \$1.00 POSTPAID

All Packets Are Usual 10c (Store) Value. FULL SIZE Packets.

POSTPAID PRICES

All Seed Prices Including Victory Garden Specials Are Quoted Postpaid to You

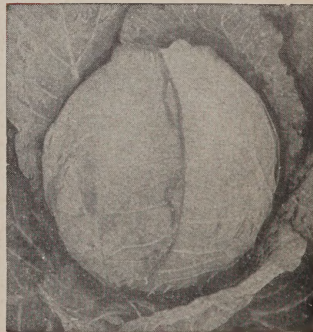
EARLY DWARF FLAT DUTCH. A well-known variety, very popular with the southern growers; a good shipper. Heads are very solid and of large size; grown by market gardeners not only for early cabbage, but for medium and late crop also. Pkt., 8c; 1 oz., 36c.

FALL OR LATE CABBAGE

PREMIUM LATE FLAT DUTCH. An exceedingly large variety, very hardy and a sure header. Heads are flat but deep, solid and good keeper. Pkt., 8c; 1 oz., 36c.

COPENHAGEN MARKET

Considered the earliest of the round varieties. Can be planted both for early and late cabbage, forming very large, solid round heads on a short stem and has few outer leaves. Quality fine and sweet. Is grown by market gardeners not only for early cabbage, but for medium and late crop also. Heads weighing 10 pounds are not uncommon. Pkt., 8c; 1 oz., 36c.



Copenhagen Market

All Prices Quoted Above Are Postpaid

CHINESE CELERY CABBAGE



Celery Cabbage

Cultivate the same as the varieties of cabbage.

CHI-HI-LI or CELERY CABBAGE. This variety has a long, compact head which resembles celery in flavor when the outer leaves are removed. Makes an excellent salad, crisp and with a fine nutty flavor. Pkt., 8c; 1 oz. 40c.

All Seed Prices Are Postpaid

CELERY

Sow 1 oz. for 3,000 plants; 4 oz. required for 1 acre.

GIANT PASCAL. The stalks are large, thick, solid and crisp. Fine keeper. Has an agreeable almond flavor and is absolutely free from bitterness. It requires but little earthing up to blanch and keeps its freshness a long time after being marketed. Pkt., 8c; 1 oz., 35c.



Order Early!

GOLDEN BANTAM. Finest home garden variety, and in a class by itself for quality. Superior in many ways to other sweet corn. Very early, sweet, tender, well filled with deep cream-colored kernels. We cannot recommend this variety too highly for the home garden. Important that corn be picked about 3 to 4 days after it has taken on yellow hue to insure delicately tender quality. Large pkt., 8c; ½ lb., 25c; 1 lb., 45c.

COUNTRY GENTLEMAN. A fine mid-season variety, sometimes called "Shoe Peg," owing to the shape of the kernels. Cobs are very small, thickly covered with white, slender kernels. Very sweet and tender. Very prolific and remains ready for use longer than any other kind. Large pkt., 8c; ½ lb., 25c; 1 lb., 45c.

CARROTS

Sow ¼ oz. to 100-ft. row; 1 to 3 lbs. per acre.

CHANTENAY. An excellent medium early, half long variety of fine quality both for home and market garden purposes. The tops are of medium size with small neck, the roots thick, medium length and of deep red-orange color. Used extensively for bunching, and a fine carrot for table use. Pkt., 8c; 1 oz., 33c; ¼ lb., \$1.10.

DANVER'S HALF LONG. A rich orange-red variety, very smooth and handsome, producing very large crops. Is an excellent market variety. Tops are of medium size and coarsely divided. Roots taper to a blunt point. Flesh is sweet, crisp and tender. Will produce more bulk to the acre than the larger field varieties. Pkt., 8c; 1 oz., 33c; ¼ lb., \$1.10.

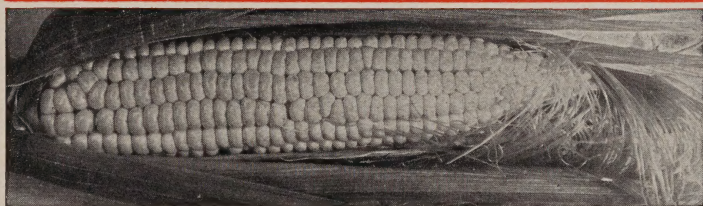
OXHEART. A fine medium early carrot, about 4 to 5 inches long. It is very thick at the top, often four inches in diameter and tapering abruptly to a blunt end. Flesh is orange color, sweet and tender. Easily pulled and will grow in soil too hard and shallow for longer varieties. When young, this variety is used for the table and when fully matured makes excellent forage for stock. A good cropping variety and planted extensively in the West and Southwest. Pkt., 8c; 1 oz., 33c; ¼ lb., \$1.10.

POPCORN

Sow 1 oz. to 75-ft. row; 12 lbs. per acre.

SOUTH AMERICAN GIANT GOLDEN. Special disease-free seed popcorn. Extra large, smooth grains. Tempting, tender, large grains when popped, sometimes one inch in size. Large pkt., 8c; ½ lb., 20c; 1 lb., 30c.

One-half pound seed will plant 100 hills; 7 to 10 lbs. will plant an acre.



Order Early!

GOLDEN CROSS HYBRID. Mid-season hybrid, cross of two inbred Bantams. Stalks average 6½ to 7 ft. in height, are sturdy and straight and under favorable conditions, two ears are usually produced on each stalk. Ears 8 inches long, Stewart's disease resistant. Uniformity of ears exceptional. A top-ranking hybrid. Large pkt., 12c; ½ lb., 36c; 1 lb., 56c; 2 lb., \$1.00.

STOWELL'S EVERGREEN. Perhaps the most popular variety for main crop and general planting on a large scale. It grows to a good height; ears are very large, well filled to the tips. The sweet kernels are pure white, affording a really sale. Ears are about 8 to 9 inches long, 16 to 18 rowed. Large pkt., 8c; ½ lb., 25c; 1 lb., 45c.

LETTUCE

Sow 1 oz. to 75 feet; 4 to 5 lbs. per acre.

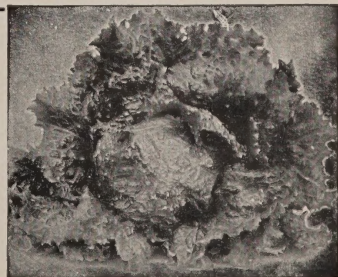
BLACK SEEDED SIMPSON. The best known and perhaps most widely used "leaf lettuce." Very early and hardy. Compact growth, leaves thin, crisp and exceptionally tender. Good for outside or forcing under glass. Withstands summer heat well. Pkt., 8c; 1 oz., 17c.

GRAND RAPIDS. Somewhat similar to Black Seeded Simpson, except that leaves are more crimp and curled. Used extensively for garnishing. Popular for home gardens. Pkt., 8c; 1 oz., 17c.

EARLY PRIZE HEAD (Seed White). A large, clustering, non-heading lettuce, most easily grown variety. Too tender, however, to withstand shipping or handling on market. Leaves crisp, tender, sweet and finely curled. Leaves bright green tinged with brownish red. Pkt., 8c; 1 oz., 17c.

HEAD LETTUCE

ICEBERG. This is the distinct crisp-head or cabbage-head type. It differs from other varieties in having mid-ribs which bend in, curving over the center, forming most tightly folded heads. Deliciously crisp. Ready for table in 30 to 35 days after sowing seeds. Pkt., 8c; 1 oz., 17c.



Iceberg Head Lettuce

MUSKMELONS

Plant 1 oz. to 100 hills; 2 to 3 lbs. per acre.

TIP TOP (S. F.). Excellent variety, either for home garden or market use. Very hardy and of Tip Top quality. Fine flavor, has thick, salmon colored flesh, sweet and juicy. An excellent strain of seed. Pkt., 8c; 1 oz., 18c; ¼ lb., 50c.

HONEY DEW. A new melon of the "Casaba" type. Fruit large and oval in form. About 10 inches long and 8 inches in diameter. Surface is smooth and hard, without ribbing or netting. Creamy white in color, turning to lemon tint when fully ripe. Flesh light emerald green, very thick, ripening to the rind, very tender and sweet. Very good keeper. Pkt., 8c; 1 oz., 30c; ¼ lb., 75c.

HEARTS OF GOLD. A superior quality melon, highly prized everywhere. Flesh very thick, fine grained, sweet. Unexcelled for home garden and a true money-maker for market producers. Average weight 1½ to 1½ lbs. Pkt., 8c; 1 oz., 18c; ¼ lb., 50c.

HALES BEST. Very early. Salmon flesh of exceptional thickness. Oval shape about 8x4½ inches, heavy netting, fairly prominent ribs. Good flavor. Pkt., 8c; 1 oz., 18c; ¼ lb., 50c.

WATERMELONS

Plant 4 ozs. to 100 hills; 4 lbs. per acre.

TOM WATSON. A most popular melon of superb quality with brightest red flesh clear through. Although the dark green rind is tough and unsurpassed for market handling, the rind is thin. This is a real money-maker. Melons measure 20 to 24 inches long and 10 to 12 inches through, averaging 30 pounds under favorable soil conditions. Matures in 85 days. Pkt., 8c; 1 oz., 17c; ¼ lb., 44c.

KLECKLEY'S SWEET. This variety ripens early and is considered by many the sweetest, juiciest and most delicious of all. Skin dark green, faintly striped. Flesh bright red and crisp. Flavor delicious and sweet. Pkt., 8c; 1 oz., 17c; ¼ lb., 44c.

STONE MOUNTAIN. A very large, medium dark green, round melon of excellent quality. Flesh highly colored, very solid with few seeds. Excellent for nearby markets. Pkt., 8c; 1 oz., 7c; ¼ lb., 44c.

DIXIE QUEEN. An oval-round melon with dark green stripes of medium size. Often grows to large size, up to 50 pounds. Rind is tough and hard, though thin. Few seeds, small and white. Used extensively for shipping, but a home garden favorite. Pkt., 8c; 1 oz., 20c; ¼ lb., 60c.

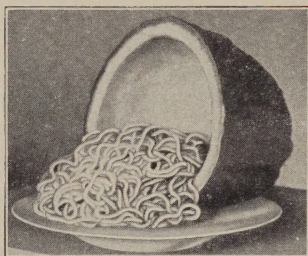
VEGETABLE SPAGHETTI

New Vegetable from Persia.

Spaghetti on a vine in Nature's own package.

Served hot or cold.

Postpaid
10c Pkt.



This delicious new vegetable from Persia thrives in all climates and in any ordinary garden soil. Each plant produces from six to ten beautiful bright yellow, oblong fruits about 8 to 10 inches long. Each fruit is filled with a delicious spaghetti-like pulp. When fully ripe, the whole fruit (without cutting or peeling) should be cooked 20 minutes in boiling water; then cut it in half. A dishful of this delicious vegetable spaghetti comes out of each fruit. Season with salt, pepper and butter and serve hot.

**SAVE 15-20% ON SEEDS—ORDER EARLY
ALL PRICES POSTPAID.**

PARSLEY

Plant 1 oz. to 150-ft. row; 5 lbs. to acre.
CHAMPION MOSS CURLED. Leaves very large, very tender, dark green, crinkly and curled. Can be used either for out-of-doors or greenhouse culture. Pkt., 8c.

PEPPERS

Plant one ounce to 1,500 plants.

CHINESE GIANT. Unquestionably one of the very best and largest Mango Peppers ever introduced. Its mammoth size, splendid shape, beautiful, rich, splendid shade, and its rich, glass-red flesh, prompt us to commend this Pepper. The flavor is mild. Pkt., 8c; 1 oz., 60c.

RUBY KING. A large sort; 4½ to 6 inches long, and 3½ to 4 inches thick. Ruby red at maturity. Excellent quality, among the best varieties for pickling. Used for stuffing. Pkt., 8c; 1 oz., 60c.

LONG RED CAYENNE. A favorite hot pepper; fruits conical-shaped, 3 to 4 inches long, bright red color; borne in great profusion. Very prolific for so large a pepper. Matures in about 125 days. Pkt., 8c; 1 oz., 60c.

PUMPKINS

Plant 1 oz. to 25 hills; 3 to 4 lbs. to acre.

MAMMOTH PRIZE. Unusually productive. Exceptionally fine quality and flavor. Very extensively grown. Popular with canners and home growers. Pkt., 8c; 1 oz., 20c.

SUGAR OR PIE. A rather small, but handsome variety. Shape round, skin deep orange colored; flesh fine grained; sweet in flavor. Superior for pies. Pkt., 8c; 1 oz., 16c.

KENTUCKY FIELD. Probably the most popular cornfield pumpkin grown, for stock purposes. Suitable also for table use, including pies. Pkt., 8c; 1 oz., 12c.

RADISHES

Plant 1 oz. to 150-ft. row.

EARLY SCARLET GLOBE. This is a splendid variety for outdoor planting or for bedded or greenhouse. We consider it best of the round scarlet sorts. Very crisp and tender. Matures very early with a small growth of tops; solid. Color, bright scarlet. Uniformly shaped. Pkt., 8c; 1 oz., 17c.

ICICLE. A fine white radish about 5 inches in length and quite slender. One of the very best of summer radishes. Skin smooth and thin. Pkt., 8c; 1 oz., 17c.

CRIMSON GIANT. Attains large size without becoming puffy. Fine large, bright red, sweet, crisp, brittle. High quality. Early notwithstanding size. Pkt., 8c; 1 oz., 17c.

SCARLET WHITE TIP. Home garden and market favorite. Turnip-shaped, very early, scarlet with distinct white tip. Pkt., 8c; 1 oz., 17c.

WHITE CHINESE—WINTER. A crisp, tender radish, mild and fine in flavor. 12 to 15 inches long and about 5 inches in diameter. Claimed to be the finest of winter radishes. Pkt., 8c; 1 oz., 17c.

MUSTARD

Plant 1 oz. to 100-ft. row.

SOUTHERN GIANT CURLED. Leaves large, light green with a tinge of yellow; much crumpled and frilled at edges. Used for flavoring salads, etc. Pkt., 8c; 1 oz., 17c.

OKRA or GUMBO

Plant 1 oz. to 100-ft. row.

WHITE VELVET. Distinct in appearance. Large pods perfectly round, smooth, and attractive velvety white, of superior flavor and tenderness. Plant dwarf, of compact, branching growth; very prolific. Pkt., 8c; 1 oz., 16c.

IMPROVED DWARF. A very early sort; pods short, fine quality, very productive. Pkt., 8c; 1 oz., 16c.

PEAS

Plant 1 lb. to 125-ft. row; one acre requires about 100 lbs.

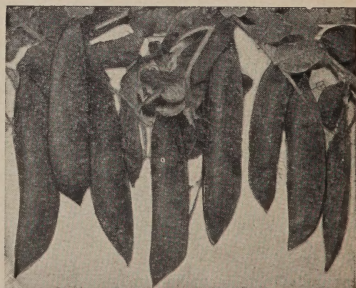
ALASKA. A well-known pea among canners and truckers, for early use. Height 2½ ft. One of the earliest of the round varieties. Pods blunt at ends; peas green when ripe. Popular early variety. Large Pkt., 8c; ½ lb., 24c; 1 lb., 40c.

LITTLE MARVEL. Early variety of English origin and a favorite in America. Matures about same time as American Wonder. Grows about 15 inches high. Dark green foliage and vines heavily set with pods 2½ to 3 inches long. Filled with 6 to 9 dark green peas of fine quality. Large Pkt., 8c; ½ lb., 24c; 1 lb., 40c.

AMERICAN WONDER. Widely known and prolific variety, bearing well-filled pods; matures early. Recommended for home gardens. Height about 12 inches. Large Pkt., 8c; ½ lb., 24c; 1 lb., 40c.

TELEPHONE. A leader with market gardeners. Hardy and very productive. Pods often 4 to 5 inches long, well filled with a fine quality of peas; considered a main crop variety and one of the best for either home or market use. Height, 4 ft. Large Pkt., 8c; ½ lb., 24c; 1 lb., 40c.

THOMAS LAXTON. This well-known variety is an early wrinkled pea of great merit. Vines have vigorous growth; hardy and productive; pods large, well filled with peas of excellent quality. Height, 4 ft. Large Pkt., 8c; ½ lb., 24c; 1 lb., 40c.



PARSNIPS

Plant 1 oz. to 100-ft. row; 3 lbs. to acre. **HOLLOW CROWN.** An excellent variety. The roots are long, smooth, with a deep hollow crown, tender and sweet; a heavy yielder. Cooks evenly to the center, which is tender and soft like the outside portions. Pkt., 8c; 1 oz., 20c.

SPINACH

Plant 1 oz. to 100-ft. row; 10 to 12 lbs. per acre.

BLOOMSDALE. The earliest and one of the best to plant in autumn for early spring use. Plants upright with narrow pointed leaves which are curled like those of savoy cabbage. Grows quickly. Pkt., 8c; 1 oz., 20c.

NEW ZEALAND. A distinct type of spinach with small green leaves which make large, bushy plants, often 3 ft. in diameter. Only the young leaves and tips of branches are used and the more often they are picked, the faster the plant grows. Will give fine greens all summer and fall. Especially suited to dry and arid locations where other varieties do not do well. Can be successfully grown in extremely hot weather. Pkt., 8c; 1 oz., 20c.

ORNAMENTAL GOURDS Mixed

Gourds make gay winter decorations. A bit of paint and a brush, a sharp knife and a few pleasant hours—this is all you need to transform these mixed gourds into attractive gifts and artistic decorations. Get a packet of mixed gourds. The vines are beautiful and the blossoms lovely in the garden. When ripe, make bird houses, bowls, pipes, dishes—or use them for a table centerpiece, for the darning basket, or for nest eggs. Pkt., 8c; 1 oz., 35c.

TOMATOES

Plant 1 oz. for about 2,000 plants.

BONNY BEST. A very early sort. Attractive in shape. Color deep scarlet. Very solid flesh. Vines vigorous and very productive. Excellent for home garden or market. Pkt., 8c; 1 oz., 35c.

MARGLOBE. Rust resistant. Almost coreless. A wonderful new variety which ripens 10 to 12 days later than the earliest tomato. Large, perfect, globe-shaped tomatoes of beautiful scarlet color. Bears abundantly. Pkt., 8c; 1 oz., 35c.

IMPROVED STONE. Always of good size, deep through from stem to blossom end and very firm. Bright scarlet, smooth skin, withstands long distance hauling and shipping to perfection. Seed cells small and few; flavor excellent. Popular for canning. Pkt., 8c; 1 oz., 35c.

BURGESS CLIMBING TRIPL-CROP

A tomato that often produces 2 to 3 bushels from one vine. Vines grow rapidly to a height of 10-18 feet and large crimson fruit averages 3½ to 5 inches across and 2¼ to 3½ inches deep. Some weigh 2½ pounds. Fruits are solid with meaty centers. Free from blight and disease and drought resistant. Be sure you try some. Pkt., 15c; ½ oz., 60c.



TURNIPS

Plant 1 oz. to 150-ft. row; 1 lb. to an acre.

PURPLE TOP WHITE GLOBE. Pleasing appearance, roots are reddish purple above ground and white below. Flesh white, fine grained, tender. A fine keeper. Pkt., 8c; 1 oz., 12c; ¼ lb., 30c.

EXTRA EARLY PURPLE TOP MILAN. An early variety, with small strap-leaved tops; shape is flat, color white with purple top. Flesh pure white of excellent quality and flavor. Pkt., 8c; 1 oz., 12c; ¼ lb., 30c.

SQUASH

Plant 1 oz. for 50 hills.

WHITE BUSH. An early round, flat squash; color clear white; handsomely scalloped; sometimes called "Patty-Pan." One of the best early summer squashes. Pkt., 8c; 1 oz., 20c.

ACORN. Most convenient size for baking and serving in the shell. Measures 4 to 6 inches long and 4 inches in diameter. Deeply ribbed and smooth hard shell; dark green sometimes with blotch of red. When allowed to ripen thoroughly, it will keep all winter. Delicious flavor, flesh dry and sweet. Pkt., 8c; 1 oz., 20c.

About 4 lbs. to an acre.

YELLOW SUMMER CROOKNECK. A well-known summer variety. Has a warted shell of bright yellow; excellent quality. Pkt., 8c; 1 oz., 20c.

SALSIFY

Plant 1 oz. to 100-ft. row; 8 lbs. to the acre.

MAMMOTH SANDWICH ISLAND. This variety is large and strong, growing with long, smooth, white tapering roots and is less liable to branch than other sorts. Fine for home gardens. Pkt., 8c; 1 oz., 24c.

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Pound

Grow your own coffee at an expense of about one cent per pound. The Domestic Coffee Berry makes a delicious, nourishing drink. One of the best coffee substitutes ever discovered, and customers pronounce it as good or better than coffee. It has a rich, deep brown plants. One of the easiest grown plants. It is an early variety of soy beans, can be successfully grown in any climate, and is sure to ripen even in the extreme North. As easily grown as corn or beans, and does well on all soils. Better grow some of the Domestic Coffee Berry this year. Prepared like any other coffee. Full directions with every packet. Pkt., 10c; 7 oz., 35c; 1 lb., 60c.

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| 1 ½ lb. Stringless Green Pod Beans | 1 Pkt. Hearts-of-Gold Muskmelon |
| 1 ½ lb. Improved Golden Wax Beans | 1 Pkt. Early Yellow Globe Danver Onion |
| 1 ½ lb. Henderson's Bush Lima Beans | 1 Pkt. Early Scarlet Globe Radish |
| 1 ½ lb. Telephone Peas | 1 Pkt. Icicle Radish |
| 1 Large Pkt. Golden Bantam Corn | 1 Pkt. Purple Top White Globe Turnip |
| 1 Large Pkt. Country Gentleman Corn | 1 Pkt. White Bush Squash |
| 1 Pkt. Detroit Dark Red Beets | 1 Pkt. Bloomsdale Spinach |
| 1 Pkt. Giant Lucullus Swiss Chard | 1 Pkt. New Violet Allsuum |
| 1 Pkt. Early Flat Dutch Cabbage | 1 Pkt. New Cupid Zinnia |
| 1 Pkt. Danver's Half Long Carrot | 1 Pkt. Giant Rose Queen Double Zinnia |
| 1 Pkt. Chicago Pickling Cucumber | |
| 1 Pkt. Black Seeded Simpson Lettuce | |

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ANTIRRHINUM or SNAPDRAGON. Flowers of the most brilliant colors, which remain in bloom from early in July until frost. Seeds may be sown in a sunny situation the first part of May. The Giant Tall Mixed Colors—a tall growing variety, about 3 feet high. It is very desirable for cutting; used extensively for bedding and borders. Pkt., 8c.

CALLIOPSIS. Assorted colors. Quick growing annuals with brilliant flowers and fern-like leaves. Sow them where they are to bloom and thin out to 6 inches apart. For a solid compact border, they may be planted closer. If cut occasionally, they will bloom all spring. Pkt., 8c.

CORNFLOWER (Centaurea Cyanus). Assorted colors. These are also known as Bachelor's Button, Blue Bottle, Ragged

Sailor, Bluet. Attractive flowers of easiest culture. Sow early in spring in the beds where they are to bloom. Pkt., 8c.

ALYSSUM (Little Gem). Little plants of dwarf, compact habit, about 4 inches high. Blooms continuously from early spring until late in the fall. Used extensively for borders, also for hanging baskets. Flowers are pure white. Pkt., 8c.

ALYSSUM (New Violet). Similar to Little Gem except flowers are a beautiful violet color. Pkt., 8c.

DAISY (Shasta). Hardy perennial, producing flowers of a pure white, often measuring 5 inches across. Long stemmed. Excellent as a cut flower. They make a showy hedge as they are covered with flowers from early fall until hard frost. Pkt., 8c.

CELOSIA or COCKSCOMB. Plants produce bright red combs which can be cut and dried for winter use. Its bright color will attract attention anywhere. Seed may be started in boxes or sown out of doors in May. Thrives best in rather light soil. Pkt., 8c.

DIANTHUS or PINKS. Assorted colors. A very popular flower producing a great variety of brilliant colored flowers. They grow about a foot tall and can be used in beds and borders. Easy to grow, but should have sunny location. Pkt., 8c.

GAILLARDIA (Blanket Flower). They grow about 1½ feet tall and from early spring until late fall, produce a continuous profusion of brilliant colored flowers, red and yellow. Pkt., 8c.

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GENERAL CULTURE DIRECTIONS



Campanula

Sow the well-known annual flowers, such as Sweet Alyssum, Calliopsis, Calendula, Marigold, Mignonette, Nasturtiums, etc., where they are intended to flower, either in lines or beds, covering not over four times their size, and firming the soil over them. Pot those which should be started indoors, such as Heliotrope, Celosia, Lobelia, Salvia, Vinca, Verbena, etc., the best plan is to sow in boxes, covering about one-eighth of an inch and pressing firmly; cover with a pane of glass and keep in a temperature between 60 and 70 degrees. Water carefully as needed. Transplant into boxes, an inch apart each way, or put into small pots until time to plant out. They should have an abundance of air.



Cosmos

COSMOS. One of the notable late summer and fall flowers. A strong, tall-growing annual, with bold flowers of exquisite daintiness and airiness heightened in effect by their foliage setting of feathery green. Most effective when planted in broad masses, or long background borders against evergreens or fences. For early flowering, start indoors and transplant in sunny situation, if soil is poor. Thrives in any situation if soil is dry and sandy. Pkt., 8c.

CAMPANULA or CANTERBURY BELLS (Perennials). Assorted colors. Large, bell-shaped flowers of exquisite colors—blue, pink and white. They are very ornamental plants with perfect masses of bloom, often bearing 100 to 200 blossoms on one spike. Sow seed in the open ground, cover lightly and thin plants to stand 12 inches apart. Pkt., 8c.

ASTERS. For early blossoms, sow in boxes or hot bed in April and transplant as soon as danger from frost is past. Asters thrive in any good soil, but by cultivating frequently one can produce immense flowers. Plant 8 or 9 inches apart.

GIANT COMET. Assorted colors. Grows like a Chrysanthemum. Grows about 2 feet high and blooms very early. Pkt., 8c.

QUEEN OF THE MARKET. Assorted colors. Probably the earliest of all the Asters. It is a low branching, free blooming aster and very popular. Pkt., 8c.

DELPHINIUM or HARDY LARKSPUR. Assorted colors. Perennial Larkspur may be planted as soon as the spring has opened. The ground should be carefully prepared, although manure should not come in contact with the roots or grubs will destroy plants. Stalks are very tender and should be staked when they are about 3 feet tall. Pkt., 8c.



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Giant Size Pansy

PANSY (Giant Size). Flowers of gigantic size, some measuring 3 inches across. Most beautiful shades of coloring, ranging from the light yellow to the deep-velvety purples, of unusual richness and beauty. Sow seed in fall so they will bloom early in spring. Seed planted indoors or out in spring will not bloom as early. Thrive best in low temperature, but will do well in any location where the sun is not too hot nor weather very dry. Pkt., 8c.

LOBELIA. Mostly dwarf-growing plants with a delicate drooping habit. Have profusion of little blue and white flowers. Nice for vases or hanging baskets. Pkt., 8c.

HOLLYHOCK (Double Mixed). This king of flowers grows six to eight feet tall. Forms splendid background. Produces blossoms following year after planting. Pkt., 8c.

MORNING GLORY (Giant). Mixed colors. Flowers all colors from the lightest to the darkest shades of pink, red and blue, and some pure white. The vines grow to an unusual height. Pkt., 8c.



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NASTURTIUM (Dwarf Mixed).

One of the easiest flowers to grow and at the same time one of the most popular and pleasing of all varieties. Blossoms a few weeks after it is sown and continues to be a mass of glorious mixed colors until frost. Mixed Pkt., 8c.

Nasturtium

SWEET WILLIAM (Dianthus Barbatus). This perennial makes a good showing in the hardy border and also splendid for cut flower purposes. Is easily grown but delights in rich soil. Plants 18 to 24 inches high. Pkt., 8c.

SPENCER SWEET PEAS. Mixed colors. Sow early, latter part of March or early April preferred. Dig ground deeply. Well-rotted manure mixed in with soil will increase size of flowers. Make trench 8 inches deep, sow seed and cover 2 inches. As plants continue to grow, gradually fill in the trench with the rich soil. Thin out to 4 inches apart and stretch wire netting length of row for support. Flowers of purest and most delicate coloring, stems long and strong. Very popular for cutting. Plant many rows of these exquisite flowers. Mixed Pkt., 8c.

ZINNIA, California Giant. Assorted colors. Brilliant flowers in the shades of scarlet, rose, orange and yellow. Easily grown and thrives almost anywhere. Plants of the tall variety growing two feet high. Blossoms from June until frost. Pkt., 8c.

ZINNIA, New Cupid. Small brilliant flowers. Blooms profusely. Type similar to Little Red Riding Hood. Pkt., 8c.

ZINNIA, New Double Rose Queen. Large plant and flowers. Grows 2 feet tall. Flowers rose pink. Blooms throughout season. Pkt., 8c.

Zinnia

POPPY. Well-known plants which will endure considerable hardship and thrive on sandy soil. Blooms early. Mixed colors. Pkt., 8c.

VERBENA. Annual mixed. Hardy annual producing clusters of bright showy flowers. If seed is started indoors or in a hotbed the plants will blossom in June and continue until late in the fall. Splendid for cutting. Pkt., 8c.

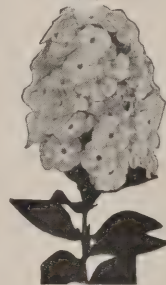
SALVIA (Scarlet Sage). The largest flowering variety of Scarlet Sage. Will reach a height of 3 to 4 feet. Sow in boxes in March and transplant 3 feet apart in flower bed. Make brilliant borders. Pkt., 8c.

PHLOX DRUMMONDI. Mixed colors. The best annual variety of the phlox family. Plants grow very rapidly and will cover the ground in a short time. They begin to bloom when only a few weeks old and continue until frost. Sow as soon as the ground can be worked. Pkt., 8c.

MARIGOLD (African Mixed). Large, compact flowers in the different shades of yellow and gold. Plant grows to a good height and forms a bush about 18 inches across. Begins to blossom the latter part of the summer and continues blooming until frost. Pkt., 8c.



Poppy



Phlox

STOCKS. Mixed colors. Perpetually cut and come again. Will begin blooming in July and continue until frost. Branches bear double flowers in white, yellow, lilac, dark blue to blood red. Pkt., 8c.

PORTULACA (Moss Rose). Mixed colors. A low spreading plant with fern-like leaves of a dark green color. It produces an abundance of bright flowers in all colors. It will thrive in hot sun where other plants refuse to grow and will stand an unusual amount of drought. They begin to blossom in early spring and continue a mass of bloom until frost. Pkt., 8c.

PETUNIA. Hardy bedding plant producing flowers of brilliant colors, which come into bloom in June and continue to bloom until frost. As the seeds are very small, sow them on the surface and press down with a board. Then cover lightly with sand or fine soil. Single Mixed Pkt., 8c.

15 BIG FLOWER SEED PACKETS

Only \$1.00 Postpaid

Regular Store Value \$1.50

One Each of the Following

Alyssum—Little Gem	Phlox—Mixed Colors
Asters—Giant Comet	Poppy—Mixed Colors
Cosmos—Early Mixed	Snapdragon—Giant Mixed
Delphinium—Assorted Colors	Sweet Peas—Mixed Colors
Marigold—African Mixed	Verbena—Annual Mixed
Morning Glory—Giant Mixed	Zinnias—California Giant
Nasturtiums—Dwarf Mixed	Sweet William—Perennial
Petunia—Single Mixed	

Include this flower seed collection with your order. Each packet separately labeled with full cultural instructions for planting. Only \$1.00 Postpaid.



Beautiful Symmetrical May Day Tree

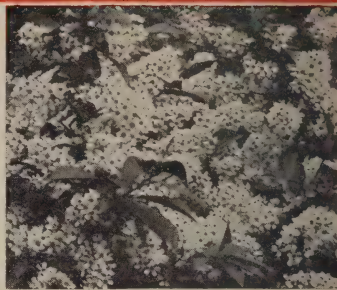
MAY DAY TREE

The Beautiful Flowering Lawn Tree

Unexcelled for superb flowering beauty. Its fragrant, fine white flowers are always in blossom by the first of May. Individual flowers are fully a half inch across and are thickly set on fine branches. The mass-like clusters are a beautiful sight and are well adapted to cutting for the house or for early spring lawn festivals. Small shiny black cherry fruits follow the blossoms. They are edible and make good jelly. You'll want one or more of these fine May Day Trees in your lawn.

Postpaid Prices

	Each	3 Trees	6 Trees
2-3 ft.	\$0.85	\$2.30	\$3.95



Close-up of May Day Tree Flowers

MANCHURIAN BEAUTY

FLOWERING CRAB

Here is a beautiful ornamental shade tree and fruit tree all in one. Easy to Grow — Blossoms Early — Hardy Everywhere — Has Beautiful Flowers and Gives Wonderful Shade. Introduced from the mountains of interior Manchuria. An avalanche of beautiful pink and white flowers are followed by a mass of dense foliage and bright red fruits. Has natural resistance to disease, cold and drought.

Postpaid Prices

	1 Tree	3 Trees	6 Trees
3-4 ft.	\$0.70	\$1.70	\$2.40

PINK GIANT FLOWERING CRAB

A Carl Hansen introduction. Flowers are huge, brilliantly pink, gaudy and very showy. Small red fruits hang on well into the winter. Tree is of strong upright growth with heavy branches and main trunk. Leaves on tips of branches are tinted with red, giving whole tree an unusually decorative effect. Thrive to the Canadian line and beyond.

Postpaid Prices

Large, 3-4 ft., each.....	\$1.40
Medium, 2-3 ft., each.....	1.15



BECHTEL'S DOUBLE FLOWERING CRAB



A fine, small flowering tree which, when in bloom, presents the appearance of being covered with delicate pink roses scenting the atmosphere for a long distance. Cut blossoms have been taken for tea roses and the fragrance even surpasses that of tea roses. Grows to about 15 ft. Ideal for the small yard as well as the large.

Postpaid Prices

	2 Years Old	1 Tree	3 Trees
3-4 ft.	\$1.50	\$4.00	

ROSE TREE OF CHINA

Has Double Rose-like Flowers in Early Spring. One of the most beautiful and showy of all small trees. Begins to bloom before the leaves appear. Grows to about 8 feet. Is hardy and easy to grow. Every yard should have one or more of these beautiful trees. The rose-like blossoms make fine cut flowers.

Postpaid Prices

	1 Tree	3 Trees
2-Year-Old, 2-3 ft.	\$1.10	\$2.75



HOPA ROSE FLOWERING CRAB

A remarkable tree which is entirely covered with beautiful rose-colored blossoms in May. A cross between a red-fleshed, red-flowering apple from Turkestan and the Siberian Crab. Very hardy—blossoms when only 5 ft. high. Fruit is red inside and out—very ornamental. Has reddish colored bark for wintery scenery.

1 Tree 3 Trees 6 Trees

Postpaid Prices—2-3 ft.	\$0.75	\$2.10	\$3.95
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RED BUD (JUDAS TREE)

A beautiful ornamental tree of medium size. Has perfect shaped leaves. Blooms early in the spring before the leaves appear. Branches are covered with small rosy-pink, pea-shaped flowers.

1 Tree 3 Trees

Postpaid Prices—3-4 ft.	\$1.25	\$3.25
—2-3 ft.90	2.50

FLOWERING PEACH

See Back Cover of Catalog—An unusually beautiful flowering peach tree is illustrated and described. You'll want to include one or more on your order.

Flowering Dogwood

WHITE DOGWOOD (Carnus Florida). Flowers are white, 3 to 3½ inches in diameter, produced in spring before the leaves appear—foliage is grayish green, glossy and handsome—in the autumn turning to deep red, presenting a gorgeous spectacle. Be sure to include a White Dogwood in your order.

Postpaid Prices

	1 Tree	3 Trees	6 Trees
2-3 ft.	\$0.95	\$2.65	\$5.00

RED DOGWOOD

Postpaid Prices

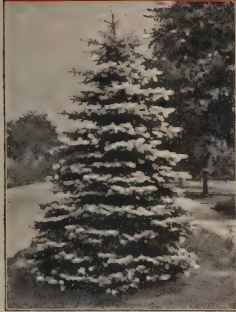
	1 Tree	3 Trees	6 Trees
2-3 ft.	\$2.05	\$1.85	\$9.10

Grows same as above, except has beautiful red flowers.



BEAUTIFY YOUR HOME

Plant Shade Trees . . . Evergreens . . . and Shrubs



Colorado Blue Spruce

COLORADO BLUE SPRUCE. Ornamental tree of glistening, steely blue. Grows to 30 feet. Beautifully symmetrical with densely layered branches tapering from a pointed top to broad, flat base. Slow, tall growing.

PYRAMID ARBOR VITAE. A densely columnar type, similar in form to Irish Juniper. Foliage deep green, retaining color throughout season. Averages only 24 to 30 inches in diameter when 12 feet high.

SILVER JUNIPER. Shapely, pyramidal form. Silvery blue, tall, hardy everywhere it grows. Grows 15 ft. tall. Upright and fine for doorway plantings.

PFITZER JUNIPER. Extremely hardy. Most popular because it thrives in any climate, all types of soil, in semi-shade or in sun. Three feet high, spreading branches, gray-green foliage. Excellent for foundation planting.

SAVIN JUNIPER. Dense, dark green foliage. Grows 3 to 4 feet high. Spreading and vigorous. Splendid for terraces, backgrounds or foundation planting.

RED CEDAR. Beautiful bronzy shade in fall and winter. Foliage varies from light green to dark, grayish or bluish green. Thrives well in all climates and types of soil.

BLACK HILLS SPRUCE. Most compact and sturdy of all spruces. Color fresh, bright green. Upright, tall growing.

NORWAY SPRUCE. Thrives in extremes of soil and climate, does not winter-kill. Thickly branches from ground up.

AUSTRIAN PINE. Grows very tall with long, deep green needles and graceful, sweeping branches. Flourishes in spite of smoky atmosphere.

IRISH JUNIPER. An upright Juniper with bluish-green foliage, very dense. Grows to 8 feet. Preferred by landscape gardeners for its splendid columnar effect.



Irish Juniper

POSTPAID PRICES ON EVERGREENS

Variety	Size	Each	2 Trees	4 Trees
Silver Juniper.....	12-18 In. Height	\$1.00	\$1.85	\$3.40
Pfitzer Juniper.....	12-18 In. Spread	1.00	1.85	3.40
Savin Juniper.....	12-18 In. Height	1.00	1.85	3.40
Red Cedar.....	12-18 In. Height	1.00	1.85	3.40
Colorado Blue Spruce.....	12-18 In. Height	1.00	1.85	3.40
Pyramid Arbor Vitae.....	12-18 In. Height	1.00	1.85	3.40
Black Hills Spruce.....	12-18 In. Height	1.00	1.85	3.40
Norway Spruce.....	12-18 In. Height	1.00	1.85	3.40
Austrian Pine.....	18-24 In. Height	1.00	1.85	3.40
Irish Juniper.....	12-18 In. Height	1.00	1.85	3.40

All Evergreens have been transplanted twice and are not small seedling plants.

SPIREA VON HOUTTEI (Bridal Wreath).

Great sprays of bloom that cascade from top to bottom of 7-foot bush. Bridal Wreath gives greatest wealth of bloom with least amount of care of any bush we know of. Every branch is a glistening spire of brilliant White bloom in early spring. Very easy to grow.

Size	18 to 24-inch	25 for 100
6 for \$1.60	12 for \$2.70	50 for \$5.00

Shipped by Express, Not Prepaid

SPIREA FROEBELI (Red Flowers). Bright red flowers in May and June—reddish brown foliage. 18 to 24-inch plants grow 2-4 ft.

Size	18 to 24-inch	25 for 100
3 for \$1.20	6 for \$2.00	12 for \$3.95

Shipped by Express, Not Prepaid

(These are not switches, they are heavy 2-year-old plants.)



Pyramid Arbor Vitae



Bridal Wreath—Spirea

Shade Trees

MAGNOLIA SOULANGEANA. One of the finest of all Magnolia's. Hardy variety. Blossoms of exceptional beauty,

large, pink, 3 to 5-inch blooms, opening in the spring before the leaves appear. An excellent medium-sized tree for the lawn and unexcelled by anything in beauty when in full bloom.

MAPLE, SOFT. (Branched.) Will give good shade in a few years. Deeply cut leaves almost white underneath. Fine, rapid growing tree, silvery in a breeze.

MAPLE, HARD. Very ornamental, long-lived, affords dense shade. In autumn the leaves turn yellow, orange and rich scarlet.

POPLAR, SILVER LEAF. Similar to Lombardy in habit, but a much finer tree. The large, glossy green leaves have a silver reverse that glistens in the sun. Trees sway gracefully in the breeze.

LOMBARDY POPLAR. Tall picturesque tree of slender, upright growth, used in formal gardens, also for effective landscape effect. Can be planted very close together to screen unsightly views and buildings. A hardy, rapid grower.

GOLDEN WEEPING WILLOW (Niobe). 35 feet. Very effective in landscape, even when not in leaf. Rapid grower, hardy. Somewhat like Wisconsin Willow except the bark is bright golden yellow.

WISCONSIN WEEPING WILLOW. A graceful tree of large size, and probably the finest of all large weeping trees. Long, slender, wavy, drooping branches and narrow green leaves. Bark is green. Rapid grower, thrives in moist or dry ground.

PRICES ON SHADE TREES

Variety	Size	Each	3 for
Cutleaf Weeping Birch.....	5-6 Ft.	\$2.50	\$ 7.00
European White Birch.....	5-6 Ft.	2.00	5.50
Umbrella Catalpa.....	5-6 Ft.	1.75	4.75
Magnolia Soulangeana.....	12-18 In.	1.75	4.75
Maple, soft.....	6-8 Ft.	1.75	4.75
Maple, hard.....	6-8 Ft.	2.50	7.50
Poplar, Silver Leaf.....	6-8 Ft.	1.60	4.50
Poplar, Golden Weeping.....	6-8 Ft.	1.85	5.25
Willow, Golden Weeping.....	4-5 Ft.	1.35	3.60
Willow, Wisconsin Weeping.....	4-5 Ft.	1.35	3.60
Willow, Wisconsin Weeping.....	5-6 Ft.	1.65	4.50
Lombardy Poplar.....	5-6 Ft.	1.90	5.40

Shipped by Express, Not Prepaid

CUTLEAF WEEPING BIRCH. A tall, slender tree with drooping habit. Silvery white bark contrasting sharply with deep green foliage, finely cut. Gracefully beautiful.

EUROPEAN WHITE BIRCH. An upright tree with spreading branches. Adapts itself to clump planting. Plant three or four and watch them develop into a very attractive group.

UMBRELLA CATALPA. 10 foot spread. Budded on straight, heavy stems, it makes an umbrella-shaped top without pruning. Leaves are large, heart-shaped, deep green. Flourishes in all soils and most all climates. Effective when set out in pairs on opposite sides of walk.



Lombardy Poplar



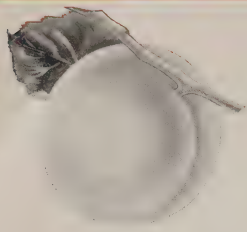
CHINESE ELM. A favorite with new home owners because of its extremely rapid growth and very desirable habits. Grows 40 feet in height and 20 feet in spread in five years' time. Fastest growing shade tree and probably the most popular.

Size	4 for	10 for
3 to 4 Ft. size.....	\$2.65	\$1.50
5 to 6 Ft. size.....	4.25	7.25
10 trees		100 trees
18 to 24 In. size.....	\$2.50	\$8.50

Shipped by Express, Not Prepaid

Good Landscaping Adds Looks and Value to Your Home and Real Estate

Peaches



The peach trees listed are some of the best varieties for gardens and commercial orchards. Trees bear in 1 to 3 years after planting. Plant peach trees in spring, 18 to 20 feet apart. Take advantage of our **SPECIAL 6 AND 12-TREE OFFER** — **YOUR SELECTION** — **SEE BELOW.**

ELBERTA. The most widely known and most dependable of all peaches. Very attractive in appearance; large size, deep yellow, splashed crimson. Can be grown profitably in the North, South, East and West. Tree very vigorous and highly productive. Juicy and tender flesh, fine for eating, canning, shipping. Ripens in mid-summer.

GOLDEN JUBILEE. Ripens 3 to 4 weeks ahead of Elberta. Good for cold climates — blooms late. Won't injure from frost. Golden yellow. Freestone. Self fertile.

BELLE OF GEORGIA. The leading money-maker of White Peaches. Yields huge crops at peak of the season. Very attractive, large creamy white, well blushed. Flesh is firm and juicy. Freestone.

HILEY. Freestone — White. A large, white peach with beautiful red cheek; flesh is juicy, tender; a good shipper. Should be in every orchard or yard. Ripens 18 days before Elberta.

RED BIRD. A fine early peach; bright, glowing red. Flesh juicy, firm and most delicious peach flavor imaginable. Tree hardy and vigorous. Ripens in June.

HALE HAVEN. A New Early Peach. Strong growing with handsome red fruit that ships well without bruising. Excellent for all regions. Firm, yellow, freestone, ripens 10 days before Elberta. Yields good crops consistently.

All Trees State Inspected.

TWO-YEAR-OLD PEACH TREES (WHOLE ROOTS)

Height	Each	10 Trees	100 Trees
1 to 2 ft.....	\$0.25	\$2.10	\$ 9.00
2 to 3 ft.....	.30	2.60	12.00
3 to 4 ft.....	.40	3.50	20.00
4 to 5 ft.....	.50	4.50	28.00

Save Money . . . Buy 25 or more trees at 100 rate.

ONE-YEAR-OLD JUNE BUD TREES (WHOLE ROOTS)

Height	10 Trees	100 Trees
12 to 18 in.....	\$1.75	\$ 8.00
18 to 24 in.....	2.00	10.00
2 to 3 ft.....	2.25	12.00
3 to 4 ft.....	2.50	14.00

Save Money . . . Buy 25 or more trees at 100 rate.

We prefer to ship all trees by Express. Express cars are usually not heated, thus stock remains more dormant till arrival.

SPECIAL PEACH TREE OFFERS

6 for \$1.00 • 12 for \$1.90

Your Selection of Above Varieties

Here is a real bargain offer in Peach Trees you won't want to pass up. All trees are one year old (whole root). You can select any of the above varieties. Six Peach Trees for \$1.00, 12 Trees for \$1.90. Prices for Express shipment.

Special 2-Year-Old Peach Tree Offer

Your Selection of Above Varieties. Another fine bargain buy in 3 to 4-ft. 2-year-old whole root Peach Trees.

Six Trees, \$2.25; 12 Trees, \$3.75. **SAVE MONEY, ORDER A SPECIAL**

6 Two-Year Whole Root Trees For Only \$2.25

Apples



Plant three or more apple trees from the fine selection of early summer and fall bearing, selected varieties of inspected 1 or 2-year-old whole root trees. Buy several varieties. Take advantage of \$1.00, \$2.15 and \$2.75 offers of various kinds of apple trees and you and your family can enjoy the best of the choicest apples from your trees — and earn extra money selling any surplus to stores or friends.

WINESAP. Large; deep red skin; juicy, sour, pleasing flavor. Comes into bearing about the fourth year and is a reliable annual cropper. Good keeper. Ripens in October.

RED DELICIOUS. Large, covered with brilliant dark red. Flesh fine grained, tender, crisp and juicy. Mild in flavor, but not a sweet apple. Has a decided aroma which is very pleasing. A splendid keeper, and an ideal apple for the fancy or box trade. The tree is hardy, vigorous and productive. Bears about the fourth year. Ripens September-October.

YELLOW DELICIOUS. Best yellow apple. Golden yellow in color, fine quality and flavor. Bears young. Very hardy. Good keeper. Ripens September-October.

JONATHAN. A beautiful, bright red apple; medium size. Is much in demand as a fancy apple. Tender, crisp, very juicy, with a fine flavor. Comes into bearing rather young. Ripens September-October.

YELLOW TRANSPARENT. The earliest apple; good crop when trees are four to five years of age. Skin pale yellow. Flesh white, crisp, juicy, mildly sub-acid. Excellent eating and cooking apple. Ripens in June.

GAO. Large, roundish, oblong, very similar in every respect to Ben Davis, but of a rich, red color. Largely planted in commercial orchards in the Southwest. Ripens September-October.

RED JUNE. One of the best early apples for table and market. Medium, deep red, flesh white, crisp, excellent. Ripens June-July.

Prices on Peach and Apple Trees are for Express and Freight shipments, not prepaid. If you wish trees shipped by parcel post, add 5c each for 1 to 3 ft. size and 10c each for 3 to 4 ft. size. Add 15c each for 4 to 5 ft. size.

PRICE—TWO-YEAR-OLD GRAFTS AND BUDS

Age and Size	Each	5 Trees	10 Trees	100 Trees
2 yr., 2 to 3 ft. 5/16 to 7/16.....	\$0.35	\$1.55	\$2.55	\$20.00
2 yr., 3 to 4 ft. 7/16 to 9/16.....	.40	1.90	3.50	28.50
2 yr., 4 to 5 ft. 9/16 to 11/16.....	.50	2.25	4.00	35.00

25 or more trees at the 100 rate.

PRICE—ONE-YEAR-OLD GRAFTS

Age and Size	10 Trees	25 Trees	100 Trees
1 year, 18 to 24 in.....	\$1.60	\$2.75	\$10.00
1 year, 2 to 3 ft.....	2.00	4.00	14.50
1 year, 3 to 4 ft.....	3.00	6.00	20.00
1 year, 4 to 5 ft.....	4.00	7.50	25.00

25 or more trees at the 100 rate.

Plant apple trees 20 to 40 ft. apart.

SPECIAL APPLE TREE OFFERS

Big \$1 Specials

No. 1—One-Year-Old Trees

We will send you, at your selection of above Apple varieties any 4 one-year-old trees for only \$1.00.

No. 2—Two-Year-Old Trees

Three 2-year-old trees as follows:

- 1 Red Delicious
- 1 Yellow Delicious
- 1 Jonathan

All 3 for only \$1.00

Prices are for Express shipment.

SAVE MONEY ON THESE APPLE TREE SPECIALS

12 Trees - \$2.15

One-Year-Old Trees, Your Selection

An extra special Apple Tree offer. We will send you twelve 2-3 ft. 1-year-old trees. Your selection of any of above seven varieties. Price only.....\$2.15

12 Trees - \$2.75

Two-Year-Old Trees, Your Selection

We will send you twelve 2-3 ft. 2-year-old trees. Your selection of above varieties for only.....\$2.75

CHERRIES

SWEET AND SOUR

Cherries from the varieties of trees we offer are of the choicest for eating fresh or canning and command highest market prices. Trees yield large crops. Hardy trees—grow on most any soil. Plant in spring, 18 to 20 ft. apart. Order NOW! Take advantage of our SPECIAL CHERRY TREE OFFER.

STANDARD CHERRIES (SOUR)

EARLY RICHMOND (May Cherry). The favorite early cherry. The fruit is large, bright red, juicy and delicious flavor. Certainly makes the first fresh cherry pies taste good. It is a strong grower, bears heavily every year and starts bearing young.

ENGLISH MORELLO. Bears younger and heavier than any other cherry. Fruit is good size, almost black and slightly acid. Fine for picking whole, preserves and canning. Ripens in July after the others are gone.

LARGE MONTMORENCY. The most widely planted cherry. Does well everywhere. Bears large crops regularly, ripening about 10 days after Early Richmond. Ripens in June. The fruit is large, firm and fine flavor. Best of all for canning. Grows stocky, not as tall as the other varieties. The trees will bear just as quickly as taller varieties.

SWEET CHERRIES

BING. Few sweet cherries equal Bing in size, attractiveness and quality. Almost black; early; bears abundantly. Recommended planting with another sweet variety for a pollinizer. Ripens in June.

BLACK TARTARIAN. Purplish-black; flesh tender, juicy and rich. Produces immense crops. A sweet cherry which ripens earlier than Bing.

CHERRY TREE PRICES

Size	Each	10 Trees	100 Trees
9/16 about 4 ft.....	\$0.75	\$6.00	\$55.00
7/16 about 3 ft.....	.60	5.50	45.00
5/16 2 to 3 feet.....	.45	4.00	38.00
18-24 inch.....	.40	3.50	30.00
25 or more trees at 100 rate.			

Special Cherry Offer

For Planting in Your Yard or Garden
(Plant 18 to 20 ft. apart).

Three assorted trees, nice clean stock: 1 Early Richmond (Sour), 1 Large Montmorency (Sour), 1 Bing (Sweet). All 2-yr.-old trees, about 4 ft.

All for Only \$1.75 . . . You Save 50c



SPECIAL NOTICE — All Prices on This Page are for Express, Not Prepaid — For Parcel Post shipment prepaid, add 15c for each tree.

PEARS

Prices 20 to 30% less than some nurseries

Plant trees 20 ft. apart.

SECKEL. You'll never know how good pears can be until you taste the rich, spicy, tender goodness of the Little Sugar Pear! Unsurpassed for pickling and eating fresh. Small, russet yellow with red check, and firm, fine grained flesh. Blight resistant. Ripens September-October.

BARTLETT. The best early pear and a leading commercial variety. Bears enormous crops of large, yellow fruit with fine grained, juicy, well-flavored flesh. Tree is a good pollinator. Ripens in September.



KIEFER. Widely in demand for canning. Exceptionally fine for home orchards—tree bears young, is hardy and blight resistant, and never fails to produce a big crop. The crisp, juicy flesh keeps its delicious flavor. Invaluable as pollinator to increase yield of other varieties. Ripens October to November.

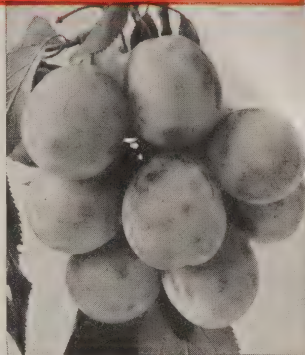
GARBER. Should be planted in the South where other pears will not grow, especially in connection with the Kiefer. The Garber is a large yellow pear with red check. It keeps remarkably well and is a splendid shipping pear. Ripens in September.

PEAR TREE PRICES

Size	Each	10 Trees	100 Trees
2 to 3 ft.....	\$0.30	\$2.75	\$24.00
3 to 4 ft. $\frac{3}{16}$ —2-yr.-old.....	.50	4.00	35.00
4 to 5 ft. $\frac{9}{16}$ —2-yr.-old.....	.60	5.50	40.00
25 or more trees at 100 rate.			

PLUMS

Many of the plums listed bear in a year. Those listed have been tested for years and have been found to produce the best in most all states. To produce big crops, plant several varieties so they can cross-pollinize. Plant 15 to 20 feet apart.



ABUNDANCE. One of the most dependable of the plums. Bears year in and year out. Large size; cherry red; firm and sweet; carries well. Ripens middle of June.

BURBANK. Extremely popular in all sections. Richly colored red mottled and dotted with yellow; a very heavy bearer. Ripens in July.

GOLD. An old favorite. Medium size; golden yellow when ripe; quality good. Very heavy bearer. Ripens late.

RED JUNE. One of the most popular of the early plums. A dark color, showy and attractive; excellent quality. Tree hardy and a sure bearer.

DAMSON. Medium sized, dark purple variety which is very productive; esteemed for preserving and good for eating out of hand. Ripens late August to early September.

PLUM PRICES

Size	Each	10 Trees	100 Trees
1-2 Year Old — Whole Root Trees			
18 to 24 in.....	\$0.30	\$2.50	\$18.00
3 to 4 ft. $\frac{1}{16}$ in.....	.40	3.75	30.00
4 to 5 ft. $\frac{9}{16}$ in.....	.50	4.50	35.00

APRICOTS

Are a fine garden or yard fruit. Grows well in most all states.

Plant 20 ft. apart.



MOORPARK. Large, yellowish green with brownish red on sunny side, marked with dark specks; flesh bright orange; separates readily from seed. Grown largely for commercial purposes, especially for canning and drying. Tree vigorous and prolific.

ROYAL. An European variety; large, slightly oval; dull yellow with red next to sun; flesh orange, with rich flavor. An important commercial variety, producing fruit freely, and of a quality that appeals to the buyer of high-grade stock.

APRICOT PRICES

Size	Each	6 Trees
2 to 3 ft.—1 yr.....	\$0.45	\$2.75
3 to 4 ft.—2 yr.....	.55	2.95

Special Assorted Home Planting Offer

For Planting Yard or Garden (Plant 18 to 20 ft. apart).

For planting in yard or garden, this assortment is one of the best for ordinary family to have own choice fruit. All clean, inspected stock, 3 ft. trees:

2—2-year Elberta Peach Trees 1—2-year Burbank Plum Tree
2—2-year Hale Peach Trees 1 Hale Peach
2—2-year Red Bird Peach 1—2-year Bartlett Pear Tree

All Ten Above Trees Only \$3.35

Regular Price \$4.35 . . . You Save \$1.00
Shipped by express, not prepaid.

Farm Home Orchard Offer

Selection of trees below will give you Apples, Peaches, Cherries, Plums and Pears, from June to November:

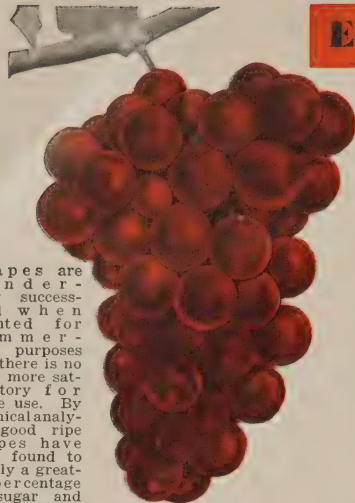
All 2-year-old trees.

1 Red Delicious Apple 3 Elberta Peach
1 Jonathan 1 Hale Peach
1 Stayman Winesap 1 Red Bird Cling Peach
1 Early Richmond Cherry 1 Bartlett Pear
1 Large Montmorency Cherry 1 Burbank Plum

12 Trees—Five Different Kinds of Fruits
Our Most Popular Varieties to Grow

All 12 Trees for Only **\$4.25**
Regular Price \$5.50 Your Saving by Ordering This Big Collection **\$1.25**
Shipped by express, not prepaid. **SAVE! Order Today**

Every Garden Should Have Grapes



Grapes are wonderfully successful when planted for commercial purposes and there is no fruit more satisfactory for home use. By chemical analysis good ripe grapes have been found to supply a greater percentage of sugar and muscle-building material per pound than any other fruit.

**All Heavy Rooted No. 1
2-Year-Old Vines**

CAMPBELL'S EARLY. Early Black. A grape of large size that ripens about two weeks ahead of Concord, but ripening season is variable, ripening through long season, and is generally marketable slightly earlier than Worden. Keeps and ships well. Quality excellent, somewhat vinous. Fine for eating, market, or for making juice and jelly.

CONCORD. Widely grown black grape, universally popular for home arbors and a money maker for vineyardists everywhere. Healthy, vigorous, hardy. Large bunch and berry. One of the heaviest bearers. For eating, jelly, grape juice or market.

DELAWARE. Medium early, small. Red. A standard of rich, delicate flavor and agreeable aroma. Adaptable to many different soils. Bears abundantly. General favorite for eating, jelly, and wine. Keeps and ships well.

NIAGARA. The leading white grape throughout the country. Ranks with Concord in vigor and productiveness and ripens at the same time. Bunch and berry large and handsome. Tender, sweet, juicy and excellent flavor.

MOORE'S EARLY. Similar but larger than Concord and ripens 2 to 3 weeks earlier. The last fruits of it being sent to market before those of the Concord are picked. Vines hardy, vigorous and moderately productive.

Plant Grapes 8 feet apart.

SPECIAL GRAPE SALE OFFER

2 Concord	1-Year No. 1 Vines.....	\$1.20
1 Delaware	Same Selection in	1.45
1 Niagara		
1 Moore's Early	2-Year No. 1 Vines.....	

Here is a chance to **SAVE MONEY** on a Fine Collection of Excellent Grapes.

Add 5c per Vine for prepaid parcel post.

PRICES ON GRAPE VINES

Select 2-Year Vines, Campbell's Early, Delaware, Niagara, Moore's Early.

5 Vines	12 Vines	25 Vines	100 Vines
\$1.50	\$3.00	\$5.00	\$13.75

50-100 Grape Vines—Your Selection—at the 100 Rate

5 Vines

\$1.10

Add 5c each Vine for prepaid parcel post shipment

1-Year Vines, Concord.

12 Vines

\$2.50

25 Vines

\$3.00

100 Vines

\$9.75

STRAWBERRIES

SENATOR DUNLAP (Per.). An old favorite; an old standby. Varieties come and go, but this is still the most widely planted in the central states. It always bears. Bright red berries have a most delicious flavor. Stands drought, cold, and late spring frosts. Self-pollinizing, so can be planted alone in most any soil or climate. Ripens in mid-season.

BLAKEMORE (Per.). One of the finest berries ever grown. A heavy, regular bearer with large, firm berries of good quality, ripening several days before Senator Dunlap and equally dependable. Especially fine for canning and preserving because it holds its color and shape for days. Self-pollinizing and can be planted alone.

MASTODON EVERBEARING. It takes only 20 berries to fill a quart box. This popular everbearing strawberry is planted successfully all over America. Starts to bear 90 days after planting and continues until freezing weather. Will bear this year. Very large, bright red berries, self-pollinizing.

BELLMAR. A variety similar to Blakemore. A heavy bearer. Berries are large, firm, delectable. This is a favorite for canning because it is especially sweet. Makes excellent preserves.

AROMA. One of the best commercial berries on the market. A very late and very popular berry in all sections. Demand for this late berry is exceptionally great. It does well both North and South. Berry is firm. An excellent shipper.

Order early. Set plants 20 to 24 inches apart each way.

POSTPAID PRICES ON STRAWBERRY PLANTS

	100 Plants	250 Plants	500 Plants
Senator Dunlap.....	\$1.45	\$2.35	\$ 4.50
Blakemore	1.45	2.35	4.50
Bellmar	1.45	2.35	4.50
Aroma	1.45	2.35	4.50
Mastodon Everbearing	2.95	6.15	10.75

Have Fresh Strawberries for Many Months

25 Mastodon Everbearing
25 Blakemore
25 Senator Dunlap

All 75 Strawberry Plants
for only \$1.50, POSTPAID



300 STRAWBERRY PLANTS—Only \$2.75

Postpaid

Special Collection Offer

100 Senator Dunlap
100 Blakemore
100 Aroma

\$4.35 Value—All 300 of the above Quality Strawberry Plants for only \$2.75, postpaid.

You Save \$1.60 by Ordering This Special

**Don't Pass Up
This Real Buy
on
Strawberry
and
Grape Plants**

COMBINATION GRAPE AND STRAWBERRY SPECIAL

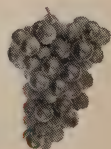
Four 1-Year-Old Grape Vines

1 Concord
1 Delaware
1 Niagara
1 Moore's Early

100 Strawberry Plants

25 Mastodon Everbearing
25 Blakemore
50 Senator Dunlap

All four Grapes and 100 Strawberries, POSTPAID.....\$2.50



Plant Several Varieties—Insure a Continuous Supply of Strawberries and Grapes

BOYSENBERRY - A REMARKABLE BERRY

Don't Miss This! It's America's Favorite! A Money Maker!



An actual photograph of a Boysenberry.
Luscious Fruit Is Immense.

This sensational new genuine Boysenberry is a new fruit delight which is rapidly gaining popularity. The huge berries are of delectable flavor, delicately sweet and almost seedless. Berries ripen to a tempting, rich, deep maroon color. Delicious when eaten fresh or when canned or frozen. Popular for jelly and jam. Vigorous, heavy producer. Berries often 2 to 2½ inches in length.

Boysenberry Postpaid Prices

Per	12	25	100	500
	\$1.20	\$2.10	\$8.75	\$29.00

LATHAM RED RASPBERRIES

One of the best main-crop red raspberries. Has many outstanding points of merit and has come into general favor more rapidly than any other raspberry ever introduced. Vigorous in growth—withstands the winters in Canada without covering. Exceptionally free from mosaic and other diseases. Has large berries with deep red color. You'll sure want some of these fine red raspberries.



Red Raspberries

Latham Red Raspberry

Postpaid Prices

Per	12	25	100	500	1000
	\$1.00	\$1.90	\$5.00	\$16.00	\$32.00

Black Raspberries

CUMBERLAND

Produces enormous crops of luscious, big berries, coal black in color, firm and juicy. Bush is a strong grower, stocky canes, extremely hardy. An excellent shipper. Ripens in mid-season. A-1 for commercial growers.

Plant Raspberries 3 to 6 ft. apart.

Postpaid Prices

Per	12	25	100	500
	\$1.25	\$2.10	\$5.50	\$16.00



Blackberries

Blackberries

ELDORADO. Season early to medium and long. Jet black berry of enormous size. Firm, sweet. Plants are erect, vigorous, very hardy. Resistant to orange rust. Canners prefer the Eldorado.

EARLY HARVEST. Very early, juicy, tender fruit, mild and good. Fruit medium in size. It has a long fruiting season, carries well. Recommended for canning.

Postpaid Prices

	12	25	50	100	1000
	\$0.90	\$1.40	\$2.50	\$4.25	\$24.00

YOUNGBERRY

A delicious fruit, very popular in many sections. Universally liked, easily grown. Dark, rich wine color. Named for Horticulturist Young who crossed the Loganberry and Texas Dewberry. Home garden owners favor the Youngberry. Has excellent commercial possibilities.

YOUNGBERRY—Postpaid Prices

Per	25	50	100
	\$2.25	\$3.00	\$5.50

Boysenberry and Raspberry

Postpaid SPECIAL OFFER

6 Boysenberries
5 Giant Red Latham Red Raspberries

4 Cumberland Black Raspberries

All 15 of these choice berries..... For only \$1.95, Postpaid

This is a fine selection that will supply you with the choicest of berries over a period of several weeks.

New Raspberry Special

Postpaid

Select your own assortment of Red, Latham, or Black Cumberland Raspberries.

Per	10	18	50	100
	\$1.10	\$1.65	\$3.35	\$5.50

Blackberry Special

Postpaid

Select your own assortment of Eldorado or Early Harvest Blackberry plants.

Per	10	18	50	100
	\$1.15	\$1.60	\$2.95	\$4.75



Lucretia Dewberry

Delicious Small Fruit for Eating, Canning and Freezing

HANSEN IMPROVED BUSH CHERRIES



Hansen Improved Bush Cherries are the result of over 40 years of careful selection. Fruit is of large size, desirable taste, wonderful bearing and beautiful in flower, fruit and foliage. Though the fruit of this plant resembles a cherry in size and shape, it grows in bush form, branching and bearing from the ground up and usually bears the year after planting. Retains its dwarf stature, a desirable feature for compact plantings. The foliage is a beautiful silvery-green and turns to a rich gold in the fall. The profuse mass of white flowers in early spring completely covers the bushes. They are hardy everywhere and are resistant to disease. Should be planted 2 to 4 ft. apart in rows 4 to 6 ft. apart.

Order Now — New Low Postpaid Prices

	Each	Per 3	Per 6	Per 12	Per 25
Large 2-Year-Old Plants....	\$0.50	\$1.25	\$2.25	\$4.00	\$7.50



TREE STRAWBERRY



The Tree Strawberry-Raspberry

A plant in habit and growth and form of fruit. About 2 feet high, beautiful, both foliage and blossom. Bears beautiful ruby red fruit, the bright red berries showing a striking contrast to the large white blossoms. The canes shoot up in the spring, blossoming and bearing in early summer. They endure cold climate, every year, giving extra plants. Order now, as the stock is limited.

Tree Strawberry, 3 for 60c, 8 for \$1.25, 12 for \$1.75, 25 for 3.25
Postpaid in U. S. A.

Manchurian Apricots



Hardy, vigorous, quick to bear apricot trees which should afford great satisfaction and pleasure in an abundance of good tree-ripened fruit. Dependable fruit production year after year. Trees are hardy in the coldest places, have almost frost-proof blossoms as they can set fruit even if blossoms are caught in a late spring frost. Fruit ripens early in July.

Postpaid Prices:

Large 2-Year-Old

1 Tree	\$0.65
3 Trees	1.65
6 Trees	3.00

DWARF ORANGES

A fine pot plant with glossy leaves, fragrant waxy white blossoms and an abundance of delicious little oranges that will hang on the plants for six months after they are ripe. Will grow 3 to 4 ft. high, not uncommon to see 5 to 6-inch plants full of bloom.

Postpaid Prices \$0.45 Each 3 for \$1.10

Everbearing Lemons

A true everbearing lemon that can be as easily grown in a pot as a geranium. Produces fruit weighing from 1 to 3 lbs. each. These enormous fruits are borne on plants 1 to 2 ft. high growing in pots; bear continually; delicious for lemonade and culinary purposes. Flowers are as fragrant as orange blossoms which they somewhat resemble.



Postpaid Prices:

\$0.45 Each 3 for \$1.10

Hardy CHINESE DATES

Comes from the high interior of China, well adapted to this range of territory and soil, quite hardy—reported to have withstood temperatures of 22 degrees below zero. Tree is a heavy and constant bearer, blooms late in spring, fruit is 1 to 2 inches long, chocolate colored. Delicious when eaten fresh or cured like dates. Valuable addition to orchard and gardens.



Postpaid Prices:

1 for \$1.35 3 for \$3.40

Northern Grown Dwarf Figs

Particularly adapted to northern growing. Does well in either tubs or open ground. Root is perfectly hardy. In localities where tops freeze they can be cut to the ground and when it begins growing again it will produce fruit on the new wood. Plants will winter safely in an ordinary cellar. Recommend tub culture north of Philadelphia. Plants bear the first year they are set out. Fruit is very sweet and delicious, of good size with flesh that is firm and meaty.



Postpaid prices on Northern Field Grown Stock:

\$0.65 Each 3 for \$1.50

A Special Notice to Our Friends and Customers

Under normal conditions we always issue each year a large 100-page Catalog describing and illustrating the **World's Largest Line of Poultry Supplies**. In this catalog we listed over 475 items—practically everything in the equipment and supply line for raising Poultry, Turkeys, Ducks, Geese, Wild Game, etc.

This complete line is intact—in fact, every day we are working on new, practical items that can be added at some future date when material is again available.

In line with the War Production Board limitation order on the Manufacture of Poultry and Farm Equipment, we are glad to co-operate because we know this means more tons of critical materials for the armed forces.

In the 12 Poultry Equipment pages of this catalog we have listed the items that we have available. We anticipate being out of stock on some items before the chick season gets

started and out of many more before it is over. So if we don't have what you order and we are not in a position to offer a substitute, you'll understand the situation. For this reason it is necessary for you to **anticipate your requirements early and order early**, suggesting a second choice if possible.

This year we have added several pages of seeds—flowers, trees, shrubs, evergreens and roses. We have done this to hold our organization together so we can continue serving the Poultry Industry after the war. We have selected some of the country's leading nurseries to supply our stock, all of which is **State Inspected**. Every item is guaranteed to be as represented.—See page 2. We invite your patronage and know you will be well pleased with any seeds or nursery stock you order from us.

References: Illinois National Bank, Quincy, Ill.; Mercantile-Commerce Bank & Trust Co., St. Louis, Mo.; Dun and Bradstreet, Inc., New York City

POULTRY EQUIPMENT SECTION—Order Early!

Chick and Broiler Feeders

Due to a War Production Board Ruling, no steel can be used in the construction of Chick and Broiler Feeders. We have been attempting to find a satisfactory, economical substitute and have several under test. When you need feeders—or any other poultry supply items not listed; and before you buy, send for our latest information.

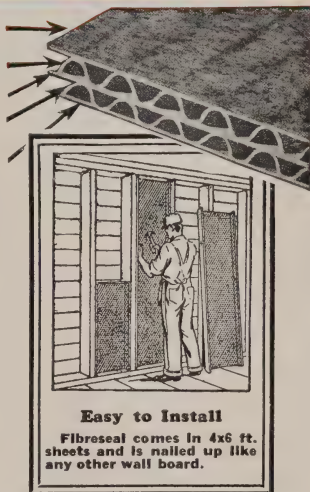
Fibreseal Insulating Wallboard MADE OF THREE HEAVY FIBRE WALLS

For Brooder and Laying Houses, Garages, Attics, Work Shops, Storerooms, Etc.

An outstanding insulating board. Seals your Poultry Buildings from icy blasts of winter and heat in summer.

MISSOURI POULTRYMAN INCREASES EGG PRODUCTION BY USING FIBRESEAL

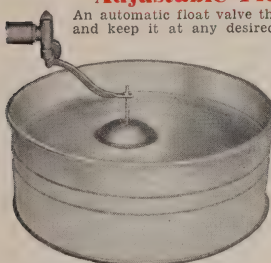
400 pullets in an insulated house averaged 180 eggs per hen; those in an uninsulated house averaged only 160 eggs per hen. Twenty eggs more per hen, and cost of insulating was less than half of the value of the increased egg production. Fibreseal should pay for itself in 6 months by this increased egg production. The seams may be covered and surface painted or papered when used on homes. Fibreseal is built of three heavy fibre walls with corrugated boards between. This construction forms a dead air space which is an excellent insulator.



Easy to Install
Fibreseal comes in 4x6 ft. sheets and is nailed up like any other wall board.

Adjustable Float Valve

An automatic float valve that will regulate flow of water level. An automatic supply of water in the hen house or out on the range will keep fresh water before hens, pullets, broilers, turkeys or ducks at all times. A great labor-saver over the old method of carrying water.



Fine to use in Colony house watering troughs. Also in pans, crocks and tanks. Has combined $\frac{1}{4}$ and $\frac{1}{2}$ -inch pipe connections.

No. 43-439—Adjustable Float Valve. Shipping wt. 8 ozs. Packed one per carton. Price, each.....\$1.05

Postpaid U. S. A.

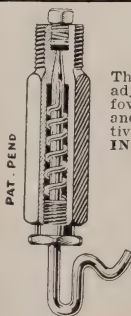
No. 43-4860—Heavy Fibreseal Wallboard in 4'x6' sheets packed five sheets to a bundle, weight per bundle 40 lbs.. Price per bundle of 120 sq. ft.....\$3.50

F. O. B. Quincy, Ill.

AUTOMATIC DRY-NOT VALVE

Gives Constant Water Supply

The valve is controlled by a nut at bottom and may be adjusted to fill the trough to any desired level. As the fowls drink, a fresh supply of water flows into the trough and valve closes automatically when trough is full. Positive in action. No levers or floats. **FREEZING WILL NOT INJURE IT.**



The Dry-Not Valve can be attached to any standard $\frac{3}{4}$ -inch pipe. Valve action is positive. Dry-Not Valve may be attached to barrel or any other water supply.

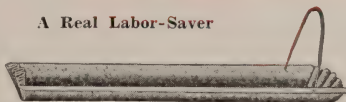
We recommend colony house drinking pans for use with the Dry-Not Valve. Weight of water in trough or pan shuts off flow of water.

The long pan is better because it is easy to keep clean and has ample space along sides for many fowls to drink at a time. Fine for attaching to pressure system. Valve is made entirely of brass. Drinking Pans listed below.

No. 43-G-DN. Dry-Not Valve. Each.....\$1.10
Postpaid in U. S. A.

COLONY HOUSE DRINKING PANS

A Real Labor-Saver



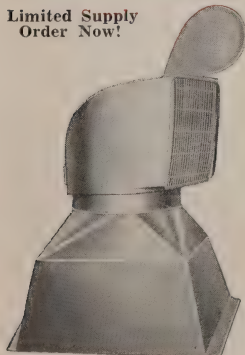
Especially recommended for use with Brower's Dry-Not Fountain Valve shown above. Stamped in one piece from heavy galvanized iron. No soldered seams. Easy to clean.

No.	Length	Depth	Width	Wt. Each	Each
43-151	34"	2 $\frac{3}{4}$ "	5"	3 lbs.	\$0.85
43-152	45"	3 $\frac{1}{4}$ "	4 $\frac{1}{4}$ "	3 lbs.	.95

Postpaid in U. S. A.

Suction Cup

Limited Supply
Order Now!



Proper ventilation removes foul moist air and increases health of poultry, hogs, and other livestock. For use on Laying Houses, Brooder Houses, Hog Houses, Barns, etc.

Provided with large, strong vanes that respond to the slightest breeze. The ball-bearing revolving head is perfectly counter-balanced. Substantially constructed of heavy durable Armo Ingot Iron finished with silver aluminum paint. Base can be fitted to any style roof. Fitted with bird-proof screen. This cupola is built to withstand all kinds of weather and quick shifts in wind directions without danger of down-draft.

No. 43-12K—Flue diam., 12 in.; base 16x16 in.; height 34 in. Wt. 23 lbs. Price each.....\$8.70

F. O. B. Quincy, Ill.

Mail the Special Offer Subscription Coupon for Poultry Tribune

"Food Will Win the War and Write the Peace"

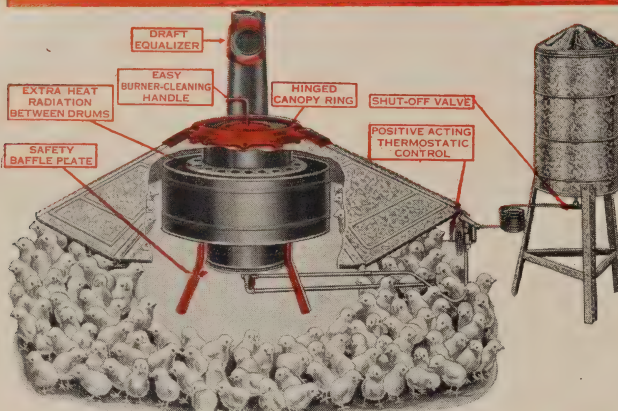
Secretary of Agriculture Wickard hit the nail on the head when he spoke these words: "Now as never before the shortage of help on farms presents a problem. On the following pages we offer modern labor-saving poultry equipment. In spite of the labor shortage, you can contribute your bit to the war effort by raising chicks for broilers and springers as well as pullets for egg production. You can accomplish all of this without employing additional help through the use of this modern poultry equipment. Our government, realizing the importance of poultry and eggs to our armed forces as well as civilian use, has permitted the manufacture of a limited quantity of poultry equipment."

We are fortunate in having a small stock of Poultry Equipment available. This small stock won't last long so be sure and mail your order at once.

Our 30 Day Trial Guarantee

We guarantee every Poultry Equipment item to be as represented and to do what we claim. Use any item for 30 days from date of shipment. If it does not do as we represent or claim, we will make good by replacing the merchandise or refunding full purchase price only. This liberal guarantee is your protection.

IMPERIAL AUTOMATIC TWIN BLAST OIL BROODER



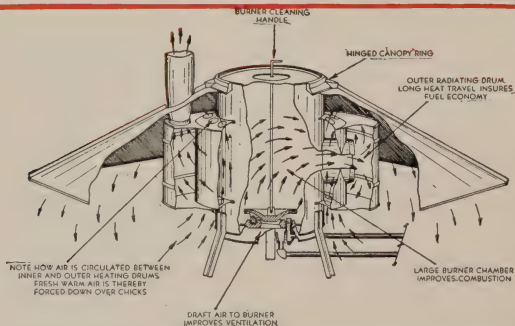
BROOD YOUR CHICKS SAFELY—AT LOW COST

The Improved Imperial Twin-Blast Brooder is one of the finest Drum Oil Brooders on the market. It is recommended for many brooding purposes and is especially ideal for cold weather brooding. When it comes to radiating heat, few Stoves compare with it. It warms the whole house—not just the area under cover. It leaves no cold corners. With the Twin-Blast, the chicks are not confined to a small brooding area. There is no huddling—no crowding. They run about at will, eat more and grow faster. Being economical in operation, the Twin-Blast is ideal for large flocks, yet operates cheaply enough for the small chick raiser. It is also suitable for turkey brooding. The Twin-Blast Burner is designed to get more heat out of the flame. It forces super-heated air over outside of flame ring. The center heating space between inner and outer drum gives increased radiation—position of canopy enables a natural movement of fresh warm air downward onto chicks. The outer radiating drum long heat travel insures added efficiency by increasing the amount of heat extracted from the flame.

HERE'S ACTUAL PROOF FROM USERS

From Arkansas—"I have two of your Twin Blast Brooders and find them the most reliable brooders that I have ever used."—Adolph H. Sickel.

From Missouri—"I have had 500 chicks since Jan. 20th. In 22 to 28 below zero weather, the Twin Blast Brooder uses 4 gals. fuel oil in 24 hours and keeps a 11'x14' house warm."—Mrs. E. Hackel.



The above cross-section view of the Improved Twin Blast shows burner construction—oil intake—oil overflow—drum construction—long heat travel through outer drum—air circulation and extra radiation between inner and outer drums and burner cleaning handle.

Burns Kerosene or Distillate

- ECONOMICAL IN OPERATION.** It burns either kerosene (coal oil) or 38-40 distillate with almost perfect combustion and economy. Uses 1 to 4 gallons of oil a day, depending on weather.
- FORCED DRAFT PRINCIPLE** draws unhealthy foul air from beneath canopy and whisks it up the flue—bringing in a supply of fresh air from under the outside of canopy.
- ENTIRELY AUTOMATIC.** Positive heat control. Brower's time-tested Automatic Oil Valve and Wafer Thermostat regulates flow of oil to burner. Holds temperature at the set degree regardless of outside weather conditions.
- THE SCREEN OIL FILTER** in tank and the gravity filter which is part of Drip Feed Oil Valve form a double system of oil filtration, which prevents sediment and water from getting into Valve and Burner and insures steady, trouble-free operation without interruptions.
- SEVEN-GALLON OIL TANK** with fine screen Oil Filter. Has shut-off valve just under tank. If desired, the fuel line may be connected to a barrel or fuel drum placed outside the brooder house. Oil tank stand furnished at no extra cost.
- EASY-CLEAN BURNER FEATURE.** Handle of cleaning rod projects outside the heater lid. A turn of the handle instantly cleans the burner of soot and carbon.
- EASILY AND QUICKLY ERECTED.** Stove comes with drum assembled. Merely attach legs, oil pipe, control assembly, and canopy and brooder is ready to use.
- SAFE TO OPERATE.** The overflow outlet is $\frac{1}{4}$ " iron pipe. Any overflow from burner will not drip into litter or on floor under stove. Safety baffle plate under burner protects litter under stove.
- OPEN TOP HEATER.** The heavy steel canopy ring leaves top of drum exposed for good heating efficiency and low fuel consumption.
- REMOVABLE INNER DRUM.** An outstanding feature. Entire inner drum is easily and quickly removed for cleaning after brooding season, to prevent rust and corrosion, and thus insure long life. Cleaning of drums is not necessary when brooder is in continuous operation. Drum made of heavy gauge steel.
- HINGED CANOPY DOOR** permits easy inspection of stove and chicks.
- HAS 2-INCH SPACE BETWEEN INNER AND OUTER DRUMS,** creating an air heating and circulating duct with Extra heat radiating drum surface—extracts heat from heart of flame. Circulation is effected by holes in top and bottom and this forces warmed fresh air out over chicks. See cross-section view.

No. 43-2155—Twin Blast
43-2465—Twin Blast

Complete Brooder
With 6-Section Canopy
With 6-Section Canopy

Diameter of Canopy 55"
Diameter of Drum 21"
24"

Recommended for Houses Up to	Day-Old Chick Capacity	Shipping Weight	Price
10'x12'	425	66	\$20.10
12'x16'	525	77	24.15

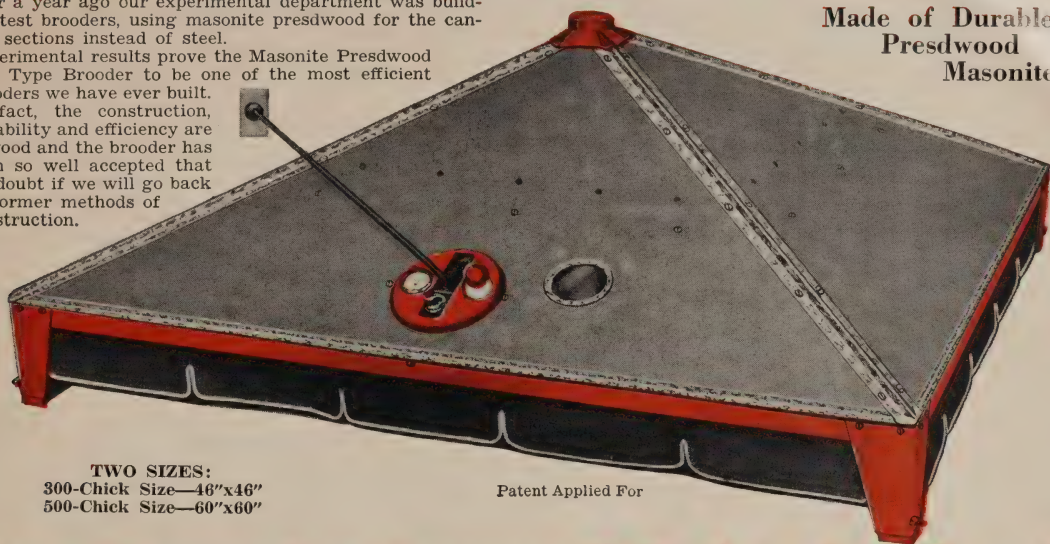
F. O. B. Quincy, Ill. Easily and Quickly Set Up and Installed.

FAN TYPE ELECTRIC BROODER

Tested a Year Ahead!

Over a year ago our experimental department was building test brooders, using masonite presdwood for the canopy sections instead of steel. Experimental results prove the Masonite Presdwood Fan Type Brooder to be one of the most efficient brooders we have ever built. In fact, the construction, durability and efficiency are so good and the brooder has been so well accepted that we doubt if we will go back to former methods of construction.

Made of Durable
Presdwood
Masonite



TWO SIZES:

300-Chick Size—46"x46"
500-Chick Size—60"x60"

Patent Applied For

These Outstanding Features Will Help You Brood More and Better Chicks at a Lower Cost

- **MASONITE PRESDWOOD MOISTURE-PROOF CANOPY**—Gives Good Insulation—Improves Efficiency—Helps Cut Operating Costs. All seams and edges are reinforced and protected with metal strips. Under actual brooding conditions this New Masonite brooder has proven the most efficient electric brooder we have ever built.
- **HANDY INSTRUMENT PANEL**—All controls in one place—Handy turn button for temperature control—ILLUMINATED Dial Type Thermometer (Temperature can be read Day or Night)—Red Pilot Light. No thermometer to pull out or canopy to lift up.
- **IMPROVED FAN CIRCULATION**—New High-Grade Fully Enclosed Motor operates 7-blade fan—Circulates fresh, warmed air evenly over entire brooding area—Prevents moisture from forming on floor—Improves brooder efficiency—Helps Cut Operating Costs.
- **POSITIVE BROODER AUTOMATIC HEAT CONTROL**—New Magnetic Snap-Action Switch and High-Grade 3" Double-Wafer Thermostat—Controls brooding heat to less than 2 degrees variation. No radio interference. Control button on instrument panel quickly adjusts thermostat to control temperature required.
- **HEAVY-DUTY HEATING UNIT**—Coil made of Nichrome Wire—Screen Housed—Won't short or burn out. Ample for most severe conditions.
- **INSULATION**—Large ½" thick Low Density Insulite Sub-Ceiling extends half way down the full canopy sections of Masonite Presdwood. This, plus fresh air pulled in by fan suction through canopy vents, retrieves heat and gives Double Protection against heat loss.
- **OBSERVATION WINDOW**—Made of unbreakable pyralin—Chicks are easily inspected.
- **HEAVY DENIM CURTAINS**—Bound with tape to prevent picking—Curtain retains heat. Allows chicks to easily pass in and out of brooder.
- **VENTILATION POSITIVE AND MEASURED**—All fresh air is drawn in by fan suction through canopy vents and is pre-heated before entering brooding area. Thus, fresh air is brought in without draft or chilling chicks as is the case with many brooders without fan. All foul air is forced out under edge of canopy.
- **ADJUSTABLE EXTENSION LEGS**—Canopy in low position is 6" from floor. Can be adjusted to 9" to accommodate various age chicks.
- **LONG LASTING, ROOST AND MOISTURE-PROOF CANOPY**—Has 30-degree pitch.

ELECTRIC BROODING COSTS LESS

The average cost under average conditions for a brood of 300 chicks under a well-constructed, insulated Electric Hover in a good house for 7 to 8 weeks is between 1c and 1½c per chick. The average cost with an Oil Brooder runs between 2½c to 3c per chick—approximately 100 per cent more. The savings made with Electric Brooders should approximate \$4.50 to \$6.00 per brood of 300 to 500 chicks. These savings should soon pay for a Fan-Type Electric Brooder. Order yours today.

ORDER NOW! THE SUPPLY IS LIMITED

300-CHICK SIZE

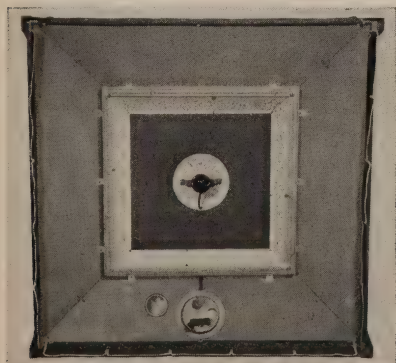
46x46-inch Canopy. Has 800-watt Nichrome Heater. Operates on 110-120 volt A.C. only. Complete with Cord, Pilot Light, Attraction Light, Automatic Thermostat, Dial Thermometer, Assembly and Operating Instructions. Shipped K.D. No. 43-46V—Shipping wt. 43 lbs.....\$27.50

F. O. B. Quincy, Ill.

500-CHICK SIZE

60x60-inch Canopy Has 1000-watt Nichrome Heater. Operates on 110-120 volt A.C. only. Complete with Cord, Pilot Light, Attraction Light, Automatic Thermostat, Dial Thermometer, Assembly and Operating Instructions. Shipped K.D. No. 43-60V—Shipping wt. 69 lbs.....\$32.70

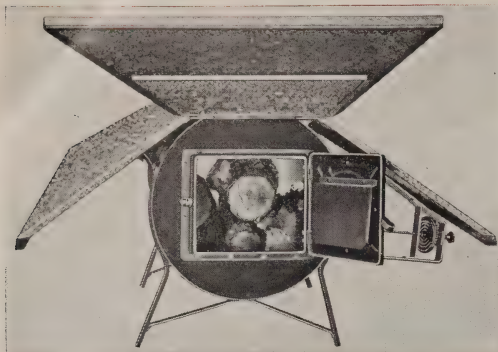
F. O. B. Quincy, Ill.



Inside View of No. 60V—500-Chick Size Brooder

Save Time and Worry by Brooding With an Electric Brooder

WOOD-MASTER BROODER-CUTS FUEL COSTS



THE WOOD-MASTER is one of the most scientific, best controlled and most efficient Wood-Burning Brooders on the market. We invite comparisons of construction, material and capacity to prove this statement. Hundreds of customers in U. S. A., Canada and South America use and recommend them. **Wood is a cheap, ideal fuel** on many farms all over U. S. A., and goes to waste. Use it in a Brower Wood-Master for brooding Chicks or Poults and you will save your entire fuel brooding cost, unless you buy wood, then your brooding cost will likely be less than oil and safer. Savings will help pay chick feed bill.

Body made of Heavy 19-Gauge Steel, Seams Welded. Heavy cast iron door frame. Heavy 16-gauge, 10x12-inch steel fuel door, 5 in. pipe opening. Rigid, well braced, heavy steel canopy bolts securely to stove, and has an easy tilting canopy door, allowing quick access to fuel door, thermostat control and chicks under canopy. Size canopy 48x62 inches. Stove drum measures 28 inches long by 21 inches diameter. Fuel capacity, 6 cu. ft. Sturdy channel iron legs securely braced and attached to body. Will brood chicks properly in a Brooder House up to 14 ft. x 14 ft. in the coldest brooding in weather.

No. 43-6241—**WOOD-MASTER**. Capacity 500 day-old chicks. Complete with 44"x62" Canopy. Shipping weight 90 lbs. Price.....\$22.50

No. 43-6200—**WOOD-MASTER, LESS CANOPY**.
Shipping weight 65 lbs. Price.....17.25

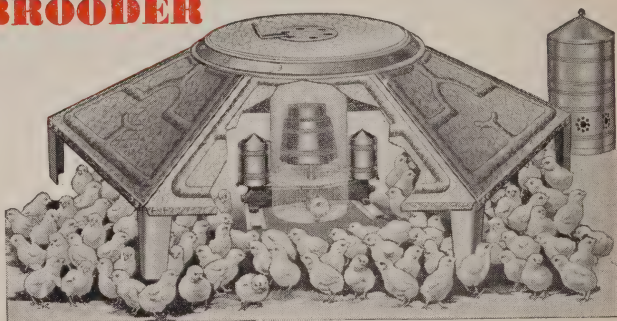
No. 43-WM—**FOUR-INCH DOUBLE WATERS**. Each, postpaid......35
All Prices F. O. B. Quincy, Illinois.

TWIN FLOAT OIL BROODER

The Sol-Hot Twin-Float solves the problem that manufacturers of oil-burning brooders have been striving to solve for years—namely, always maintaining an even flame in the burner, regardless of uneven or shaky floor conditions. Various methods have been used and are still used, such as adjusting nuts under the burner, which must be raised and lowered every time you move the brooder to make sure that it is perfectly level.

The Sol-Hot Twin-Float ends these troubles for users once and for all. It is the greatest feature ever developed for oil burning brooders because it is the only device that assures an even flame regardless of floor tipping or shaking. This is a practical brooder than can be used almost anywhere as no chimney is needed to carry off smoke. The top ventilating features insure clean fresh air under canopy. **You can smell the freshness.** Burns from 14 to 24 hours on one gallon kerosene, depending on size of brooder. **Burns kerosene only.**

For Broiler Raising 1 to 10 or more units can be connected to a pipe supply line.

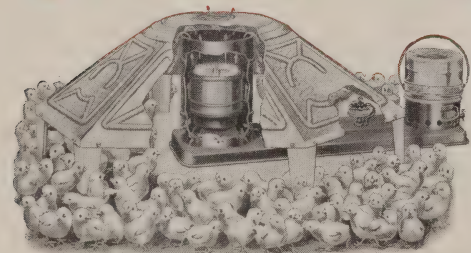


PRICES AND SPECIFICATIONS

Cat. No.	Canopy Size	Chick Capacity	Weight Lbs.	Price Complete With Canopy
43TFC-44	45	300	44	\$18.00
43TFC-54	55	500	51	19.00
43TFC-54G	55	500	55	20.00
43TFC-64	64	750	63	21.00

F. O. B. Quincy, Illinois

BLUE FLAME OIL BROODER



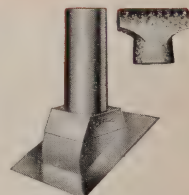
Burns kerosene (coal oil). Consumes one to two gallons in 24 hours, depending on where used and room temperature. No fumes or smoke. Heat-circulating Burner Jacket of blue steel circulates heat and also keeps chicks and litter clear of the flame. Oil outlet has fine screened oil filter to exclude sediment before oil passes through Thermostat Control. Oil is turned on or off by a shut-off valve conveniently located. Has one-gallon glass Oil Container. Automatic Thermostat Control regulates flow

of oil to burner and maintains proper brooding temperature under canopy at all times; cannot entirely cut off oil flow. The flame can only be put out by closing the shut-off. Burner uses a wire woven asbestos lighting ring (two furnished). Complete with galvanized steel hexagon canopy as shown, with adjustable damper in top to provide ventilation.

Catalog No.	Canopy Size	Chick Capacity	Burner Size	Weight Each	Price Each
43-1245	45"	300 chicks	5 3/4"	34 lbs.	\$12.15
43-1255	55"	500 chicks	5 3/8"	40 lbs.	12.95

F. O. B. Quincy, Ill.

ADJUSTABLE ROOF SADDLE



Adjustable base fits roofs from flat to 45-degree pitch. Assures an absolutely water-tight and fire-proof job. Made of galvanized iron. Complete with adjustable base, and 14" pipe extension. Any ordinary 5" pipe will slip into the pipe extension several inches.

No. 43-143E—5" ROOF SADDLE.
Less cap. Wt. 3 lbs. price each.....\$1.65

No. 43-605—5" FLUE CAP.
Wt. 1 lb., price......30

All F. O. B. Quincy, Ill.

BROODER STOVE PIPE

Easy to set up. The "SNAPLOK" Feature gives a secure lock the full length of joint.

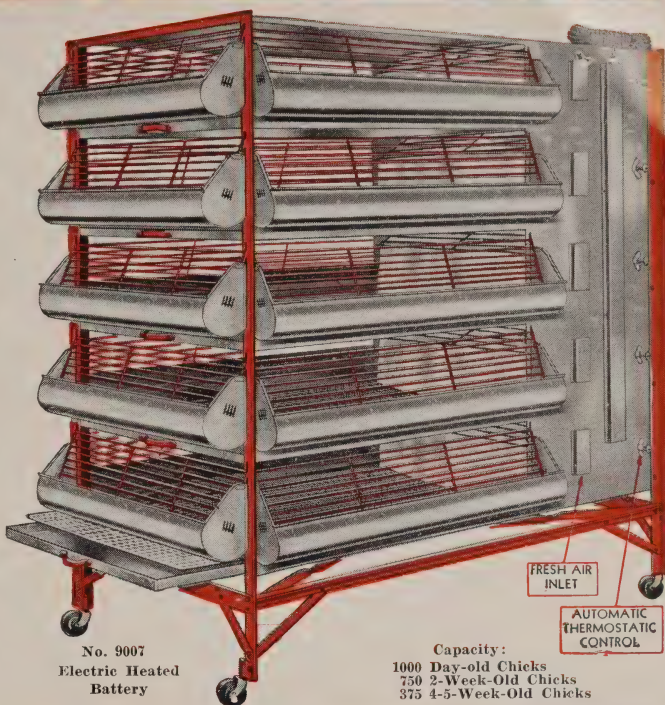
No.	Material	Size	Length	Price Per Dozen
43-68	28 ga. Black	5"	18	\$0.35 \$3.75

F. O. B. Quincy, Ill.

ALL-PURPOSE ELECTRIC BATTERY WITH AIR-FLO HEATERS

SIX OUTSTANDING FEATURES:

- 1 Automatic control in each deck permits adjusting temperature for day-old or growing chicks.
- 2 Each section is 30"x48"; 1,440 sq. in. per deck; 7,200 sq. in. per Battery.
- 3 Sturdy Construction—frame built of 1"x1"x $\frac{1}{8}$ " angle iron, body of heavy galvanized sheet iron and wire, and equipped with large easy rolling casters.
- 4 Floors and Dropping Pans are easily removable. Dropping Pans made of heavy galvanized iron. Floors are $\frac{1}{2}$ "x $\frac{1}{2}$ " mesh heavy tinned wire. Two 24"x30" floors and two 24"x30" dropping pans in each section.
- 5 Heat-retaining canvas curtains separate brooding compartment in rear from exercising and feeding compartment in front. A hinged wire grid partition can be dropped as a divider between the front and rear compartments. This permits easy catching and removal of chicks through large convenient door in the rear of each deck. See view at right.
- 6 Two feed-saver streamline designed Feed Troughs and one Heavy Galvanized Water Trough—all 31 $\frac{3}{4}$ " long. Feed and Water Pans easily removable from Battery. Adjustable wire Feed Guard will adjust feed opening to four different positions for baby chicks, as well as growing birds.



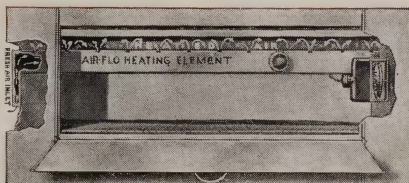
No. 9007
Electric Heated
Battery

Capacity:
1000 Day-old Chicks
750 2-Week-Old Chicks
375 4-5-Week-Old Chicks

BROOD MORE AND BETTER CHICKS

Latest improved "Air-Flo" Ventilating Heater furnishes ample heat for maintaining proper brooding temperature in brooding compartment.

New Air-Flow feature brings in fresh air from the outside directly into Heater where it is preheated before being circulated in Brooding Compartment. This is very important because it means that a constant flow of fresh, preheated air is coming into the compartment and foul stagnant air is being removed under the curtain. A special Heat Deflector mounted in top of each deck gives 1" space between Canopy and top of deck. This prevents heat loss and gives a better distribution of heated air within the compartment. Capacity: 750 2-week-old chicks, 375 4-5-weeks old.



View shows "Air-Flo" Ventilating Heater and Automatic Control Switch.



Above view shows Mr. George Berry of the Berry-Ajax Hatchery, Quincy, Ill., standing beside one of his All-Purpose Electric Battery Brooders. Mr. Berry recently installed 46 All-Purpose Batteries.

SPECIAL NOTICE

Our stock is limited on Battery Brooding Equipment. However, we will have electric starting batteries, as well as complete Broiler Plants available in reasonable quantities. Write today to address on front cover for large free catalog giving complete information on batteries and complete broiler plants. As the supply of equipment is limited, we urge you to write without delay.

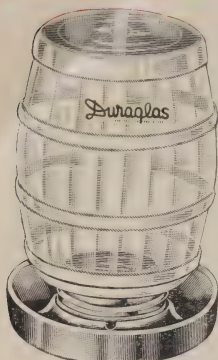
Specifications

Cat. No.	Size Brooder	Chick Capacity	Floor Space	Height Over All	Width Over All	Approx. Weight	Head Room Each Deck	Brooder Galvanized Finish
43-9007	5-Deck	1,000 day-old	7,200 sq. in.	68 in.	40x54 in.	327 lbs.	9 in.	\$104.75
Shipped Knocked Down—Easy to Assemble.								
Equipped for 110-volt A.C. current. F. O. B. Quincy, Ill.								

Save Chicks, Feed and Labor With the All-Purpose Brooder

CHICK, BROILER & LAYING FLOCK FOUNTAINS

2½-GALLON DURAGLAS FOUNT



Our Super DeLuxe Value in Poultry Fountains. May be used for Chicks, Broilers, Poult, Pullets—Yes, even Laying Hens can be easily watered, fed milk or medicine with the Big Capacity 2½-Gallon Duraglas Fount.

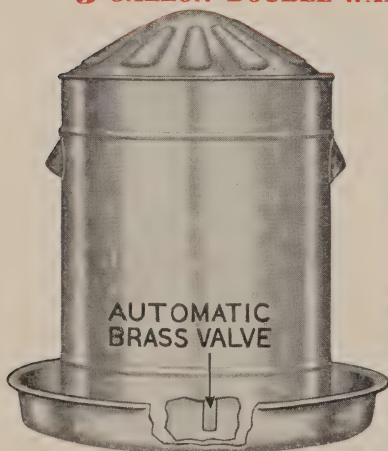
The 2½-gallon fount is made of sturdy, long lasting Duraglas. Being barrel type, the main weight is in the center, thus preventing top heaviness. Ribs in the glass make it easy to pick up even by the side walls. A large 4½-inch opening makes it easy and quick to clean. The smooth inside glass surface is easier to clean and keep sanitary. A cap fitting over fount opening has hole permitting flow of water into drinking pan. Water level is automatically maintained by vacuum principle. Fount can be inverted

without spilling a drop of water by simply placing hand over hole and placing in base. The bubbling action and the sparkle of the water attracts chicks to the fount—thus they drink more often—and more water means more feed consumed—thus they put on more weight and bring you more profits. Drinking Pan is made of glazed pottery—sturdy in construction—attractive in appearance. Its smooth surface permits easy cleaning. The pan is 10½ inches in diameter, 1½ inches deep; has a 2-inch drinking space. Packed securely for safe shipment.

No. 43-404—2½-Gallon Duraglas Fount and Base Complete. Shipping weight 14 lbs. Price each.....\$ 1.65
Provide 3 founts for each 300 chicks. 3 founts; wt., 42 lbs.
Price 4.95
12 founts; wt., 166 lbs. Price..... 19.80
F. O. B. Quincy, Ill.

5-GALLON DOUBLE-WALL FOUNT

For Growing Chicks, Broilers and Hens

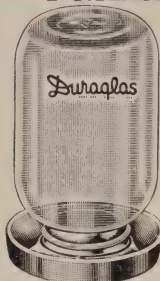


Substantial construction, advanced design and low price make this Fountain a superb value. Entire Fountain is constructed of heavy galvanized steel, double seamed and soldered. Sturdily built for years of service. It will stand up under the hardest usage. Easy to clean and fill. Made with two-airlock cans. The outer can slips off easily which permits filling inner can from the top. The inner can is provided with a convenient handle for carrying. The Metal Automatic Spring Valve closes water outlet

when the outer can is removed and holds water in fountain until the outer can is replaced which releases the Valve and reopens water outlet to drinking pan. Water will not overflow or splash. Water level in drinking pan is vacuum controlled. The drinking pan is a one-piece die stamping made 16½" in diameter and 2" deep, with smooth, turned edge. The inner can is securely soldered to the drinking pan. Roost-proof top on outer can prevents fowls perching on top and contaminating drinking water with droppings. Provide one 5-gallon fount for every 100 growing birds or layers.

No. 43-059—5-Gallon Fountain. Shipping wt., 10 lbs. Price.....\$2.90
F. O. B. Quincy, Ill.

1-GALLON DURAGLAS FOUNT



Has a Screw on Durable Plastic Drinking Pan. Ideal for starting Chicks, Broilers or Poult. Will prove itself a real addition to the Brooder House or Broiler Pen. Made of strong Duraglas. Large opening. Easily and quickly cleaned. Fount can be inverted without spilling a drop. Chicks will drink more out of a glass fount because the sparkle and bubbles attract them to the water. More water helps to promote faster growth. Glass being smooth is easier to keep clean and sanitary. It's easy to see when Founts need refilling. Pan is 6½ inches in diameter, 1-inch deep with 1½-inch drinking space. Packed securely for safe shipment.

No. 43-401—1-Gallon Duraglas Fount and Plastic Base Complete. Shipping wt. 4 lbs.
Price each.....\$0.60
Provide 5 of these founts for each 300 chicks.
5 founts; wt., 20 lbs. Price..... 3.00
12 founts; wt., 36 lbs. Price..... 7.20
F. O. B. Quincy

GLASS PANS FOR MASON JARS

An all-glass drinking pan made of one piece of heavy flame polished glass. Forms a sturdy base for any Mason Jar—one quart, two quart or one gallon. Jar rests on shoulder of glass pan. There is plenty of drinking space. No metal clips or parts to rust. Ideal for water, milk and medicated water. Easy to keep clean and sanitary. This is a very popular item.
No. 43-6P—All-Glass Pan Fount (Jars not included).
6 Pans; wt., 7 lbs. Price.....\$0.75
Use four for each 100 chicks. 12 Pans; wt., 13 lbs.
Price 1.35
36 Pans; wt., 35 lbs. Price..... 4.05
F. O. B. Quincy.



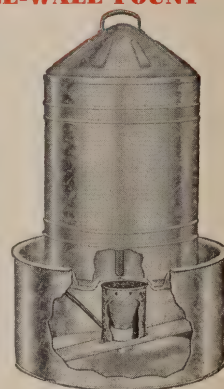
8-GALLON OIL OR ELECTRIC HEATED DOUBLE-WALL FOUNT

Give the hens a chance to produce all the eggs they are capable of—give them tempered water in a De Luce Heated Flock Fountain and see how they will lay many more eggs for you.

Made of heavy gauge galvanized steel, double seamed and soldered—built for many years of service. Easy to clean, Easy to carry and Easy to fill. Two air-lock tanks work on vacuum principle. Outer tank slips off easily and inner tank is filled from the top. Outer tank has heavy carrying bail—inner tank has convenient handle. All brass Automatic Spring Valve closes water outlet when outer tank is removed. A 1" level of water is maintained by a vacuum control. Drinking pan is one-piece die stamping—diam. 16½"—and is 2" deep with smooth, turned edge. Inner tank is securely soldered to the drinking pan. Tank diam. 12"—watering space 2" wide. Has roost-proof top.

Oil heated model is furnished with large Heater Base—16" diam.—height 8½"—is equipped with sliding door. Oil bowl fitted with powerful Lamp Burner and holds one quart of oil, which will burn for several days.

Electric model is equipped with large Heater Base—diam. 16"—height 8½"—and Electric Heater consisting of a 60-watt Cone Heating Element—with cord—for 110-120-volt A. C.



No. 43-089E With Base and Electric Heater.

PRICES—FOUNTAIN WITH HEATER BASE

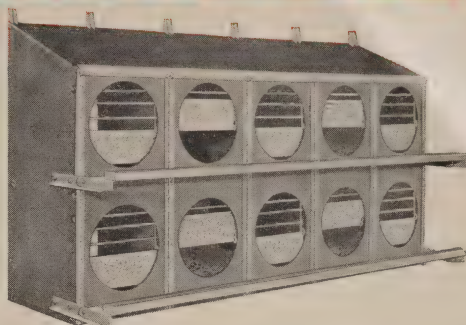
Cat. No.	Heater	Cap.	Weight	Price
43-089L	Lamp	8 Gal.	Each	Each
43-089E	Electric	8 Gal.	19 lbs.	\$5.70
			18 lbs.	5.90

F. O. B. Quincy

Masonite Presdwood Trap and Laying Nests

Constructed of hard Masonite Presdwood, very easy to keep clean. It can be sprayed for thoroughly disinfecting. All edges supported by steel binders. Top has steep slope to prevent roosting. Perches supported by heavy iron hinged brackets for each tier of nests. Perches can be raised at night to prevent hens roosting in nests. Easy to clean—six slotted metal hangers are bolted along back edge of top. Nests are easily attached to building. To clean, simply swing nest out from wall and shake old nesting material on the floor. Thousands of these nests in use all over the country.

Furnished with or without traps. Trap doors are constructed of metal—door easily and quietly slides closed as hen enters nests. Positive trapping of hens at all times. Traps are quickly removed by simply removing two long rods. Both trap and laying nests are furnished in 10-nest size only as illustrated. Increase your egg production by installing these modern Presdwood nests.



LAYING NESTS LESS TRAPS

No.	No. Nests	Tiers High	Length	Height	Depth	Width	Weight	Price
43-7L10	10	2	55-in.	12-in.	13-in.	11-in.	45 lbs.	\$ 8.95

LAYING NESTS WITH TRAPS

43-7L10T	10	2	55-in.	12-in.	13-in.	11-in.	54 lbs.	10.95
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All Prices Are F. O. B. Quincy, Ill.

HOW EXTRA PROFITS CAN BE REALIZED

Many hatcheries pay premium prices for hatching eggs from flocks or hens culled and trapped which can show a yearly egg record of 185 or more eggs. Also many poultrymen having flocks or pens with such records make a business of selling day-old chicks and pullets. The profits made from the sale of eggs from 100 hens in approximately 60 days should pay for trap nests and labor for trapping. Costs of nests to trap—45 hens, \$17.15; 105 hens, \$41.05; 150 hens, \$58.20.

SPIRAL LEG BANDS



Made of the best quality heavy round colored celluloid rod, with full one-half lap. Packed in bundles of 50 of one color and size—no bundles broken. Specify breed and sex when ordering. Colors: White, blue, yellow, red, green.

Size	No. 43-398N	100	500	1000
4—Baby Chicks		\$0.25	\$ 1.20	\$ 2.20
6—Growing Chicks and Medium Pigeons		.30	1.45	2.65
8—Leghorns and Anconas		.45	2.10	3.75
11—Rocks, Reds, etc.		.60	2.75	5.00
12—Orpingtons, etc.		.65	3.10	5.60
14—Large males, Geese, Turkey Hens		1.20	5.50	10.00

Prices Postpaid in U. S. A.

ADJUSTABLE LEG BAND



A popular, inexpensive Leg Band for trapnesting, bloodtesting and culling. Adjustable for all breeds except large cock birds and turkeys. Made of aluminum, 1/2 inch width. Secure tongue and slot fastener. Large embossed numbers. Numbered as high as desired and sold only in even hundred series, 1 to 100, 101 to 200, etc.—no series broken.

No.	100 Bands	500 Bands	1000 Bands
43-15N—Adjustable Aluminum Band	\$0.60	\$2.80	\$5.25

No.	100 Bands	500 Bands	1000 Bands
43-15P—For Turkeys, Adjustable for No. 14 to 16	.70	3.10	5.60

Prices Postpaid in U. S. A.

USE "HELMETS"

Prevent Pickouts

"Picking" is responsible for big losses in many flocks. Eliminate picking by equipping each bird in your flock with patented Helmets made from Duraluminum, attached to fowl's beak easily with a Stainless Steel Pin. Have no effect on bird's feeding or natural habits. Will help to increase egg production, reduce mash waste, and discourage fighting.

No. 43-8936—Helmets.	
100	\$ 3.00
500	12.60
1000	24.00

Postpaid in U. S. A.



"JIFFY" SELF-PIERCING WING BAND



OPEN

A Great Time Saver For Day Old Chicks or Growing Birds. Provides lifetime identification. Instant application. Made of tempered metal 3/16 inch wide. Made one size, stamped numbers easy to read—in series 1 to 100 and up. No series broken. Minimum order 100 bands.



SEALED

No. 43-8939—Jiffy Band	100—\$1.00; 500—\$4.85; 1000—\$9.40
No. 43-8938—Jiffy Band Applicator. Each	.65

Prices Postpaid in U. S. A.

ASSOCIATION ADJ. SEAL LEG BANDS

One of the most popular Leg Bands for identifying Certified and Accredited flocks. One size adjustable to all breeds except large male birds and turkeys. Made of painted metal 3/8-in. wide, with smooth edges. Strong lead rivet. Large embossed numbers. Furnished only in unbroken sets, numbered 1 to 100, 101 to 200, etc.



No series broken. Prices include numbering. Standard size adjustable for 9 Mediterranean, 11 American, 13 Asiatic.

	100	500	1000
No. 43-4102—Seal Leg Band	\$1.25	\$5.00	\$ 9.00

No. 43-4102L—Turkey Band, adjustable for 13 Asiatic, 14 Turkey Hens, 16 Turkey Toms	1.45	6.60	12.00
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No. 43-380—Plain Jaw Sealer. Each	1.15
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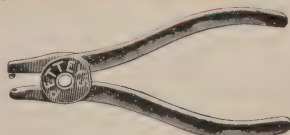
Prices Postpaid in U. S. A.

SCISSORS STYLE TOE PUNCH

A durable, handy scissors style toe punch. Easily and quickly punches hole in web between toes.

No. 43-54X—PUNCH.	
Each	\$0.45

Postpaid in U. S. A.



Bandette Leg Bands

Colored Celluloid Chick Bands. Available in following colors: Blue, red, yellow, green and white. No. 4 Chick and Pigeon size only.

25	\$0.35
50	.65
100	1.20

Postpaid in U. S. A.

Toe Punch



Standard Toe Punch. Thousands in use.

No. 33X—Toe Punch	\$0.15
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Postpaid in U. S. A.

It Pays Dividends To Band and Trapnest Your Laying Hens

Save Time and Labor with These Specialties

RITE-WAY POULTRY KILLER



A wonderful killer for chickens, turkeys, ducks and geese. One of the simplest, easiest, quickest, and most humane ways of killing poultry. Note how quick and easy it is.

Fine for household use by woman or man. Excellent for market use. Several barrels may be filled before the first fowl killed has ceased fluttering.

HOW IT WORKS—One light blow of hand on top of handle descends the blade into slot and punctures the spinal cord, leaving outlet for bleeding. Blade then springs back into position—ready for use again.

The "RITE-WAY" killing method is humane, painless, causes instantaneous death, relaxing muscles, making feathers easy to pick.

Head remains on fowl which is desirable for marketing. For removing head for household use, a harder stroke on top of handle is necessary. No wringing of necks or bruising of heads by dull axes or hatchets.

TO KILL FOWL—all that is required is simply insert small part of neck (close up to head) in open slot of Killer, and pull back on legs to wedge head, which remains in place—then one quick, firm blow on top of handle and fowl is killed.

Killer may be attached to wood block, 12x12x2", or screwed to wall.

Substantial steel construction — knife tempered steel. Height, 10". Width, 2½". Weight, 1 lb.

No. 43-6322—"RITE-WAY" KILLER.

Each postpaid in U. S. A.\$1.25

POULTRY KILLING KNIVES



The most popular pattern of poultry killing knife. Scientifically built. Recommended almost exclusively by various Agricultural Schools to poultry raisers and produce houses.

No. 43-323—POULTRY KILLING KNIFE. Over-all length, 7½". Blade, 3" long.

Price each.....\$0.45
Prepaid in U. S. A.

TURKEY STICKING KNIFE



No. 43-2694—TURKEY STICKER. Designed specifically for turkey killing. Well made, with a 4" blade.

Price each.....\$0.60
Prepaid in U. S. A.

FEATHER PINNING KNIFE

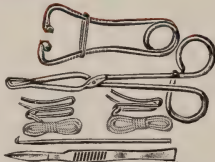


This is a favorite pinning knife. Used almost universally. Substantially built. Hardwood handle, well riveted. Length over all 5½". Blade 2½" long.

No. 43-13R—PINNING KNIFE.
Price each.....\$0.35
Prepaid in U. S. A.

Caponizing Set

Consists of two tying hooks and cord, one standard scalpel, one membrane hook, one adj. spreader and improved type testicle remover. Packed in box. Instructions.



No. 43-8390—CAPONIZING SET.....\$3.85
Postpaid in U. S. A.

Roost, Floor and Dropboard Scraper



These scrapers are real tools for cleaning dropping boards, roosts and floors, and for removing snow and ice from walks. Also handy for leveling gardens.

No. 43-3755—SCRAPER with 12" curved blade and 4" wood handle. Wt. 2 lbs. Price.....\$0.75

No. 43-3756—SCRAPER with 15" curved blade and 4½" wood handle. Wt. 3 lbs.
Price each.....\$1.20

F. O. B. Quincy, Ill.

Floor and Walk Cleaner



Sturdily built with strap socket securely riveted to blade. Handle 4' long. Blade 7" wide. Weight 3 lbs. Mailable. F. O. B. Quincy, Ill.

No. 43-17—CLEANER. Each.....\$0.55
F. O. B. Quincy, Ill.

WIRE SCRATCH BRUSH



Valuable to the hatcheryman and poultry raiser. Has 3x19 rows of wire. Over-all length 14". Wires extend 1¼" out of block. Wt. doz., 5¼ lbs.

No. 43-1651—BRUSH. Each.....\$0.30
Postpaid in U. S. A.

HUMANE FOWL CATCHER



Catches and holds fowl. Saves time and annoyance. Heavy steel spring galvanized rod, with hook end and wood handle. Length 45". Furnished with customer's name and address printed on handle at an extra charge of \$3.00 per 100; \$8.00 per 500; \$12.00 per 1000.



No. 43-635 — Fowl Catcher.
Each\$0.25
Doz..... 2.00
Per 50..... 6.75
Per 100.....13.00
Special Price on 1,000 or More.
Postpaid in U. S. A.

CHICKEN WEIGHER

This dependable poultry scale was designed for weighing the fowl—alive or dressed. Simply insert the fowl, head first, in the galvanized funnel and the scale automatically gives exact weight on large dial figures. Capacity up to 20 lbs. by ounces twice around dial. Made of cold rolled steel, with an 8" enamel dial. Warranted accurate. Carefully hand assembled from accurate machined parts tested by skilled workmen and carefully inspected to accepted tolerances.



No. 43-331A—SCALE WITH FUNNEL SCOOP.
Weight 6 lbs. Each.....\$4.25

No. 43-3331—FUNNEL ONLY, less Chains for holding fowl while testing flocks or killing.
Wt. 3 lbs. Each.....\$0.90

F. O. B. Quincy, Ill.

FARM AND DAIRY SCALE

Ideal for accurate weighing of milk. Large hook for attaching baskets, pails, cans, sacks, etc., for various items. Capacity, 60 lbs. by 1/10 lbs. Has 8-inch enameled dial with fixed points and adjustable pointer with set screw.

No. 43-620—Scale.....\$5.00
F. O. B. Quincy, Ill.

METAL CARD HOLDER



For marking incubator trays, special pens, seed bins, etc. Made of galvanized steel.

No. 43-271—Size 2½x1¼". Wt. 5 oz.
Per dozen.....\$0.45

No. 43-272—Size 4½x1¼". Wt. 7 oz.
Per dozen......60

Postpaid in U. S. A.

This Coupon Worth 25c

EGGS and DEFENSE
Hold Up Egg Quality
\$1.50

NEW TRIBUNE-WAY BROODING GUIDE

How To Sell Through
Residuals and Retail Stands

4 Points for
Chick Buyers
Feeding for Profit Months

BETTER HOUSES
and Greater Profits



36 months of Poultry Tribune regularly costs 75c. By using this coupon you can get 36 months for 25c. Prices of all products are going up. Better make sure you will have the valuable help of Poultry Tribune for next 3 years by returning this coupon and 50c now.

Short Cuts to More Egg Money

You want more eggs, more profits from your chickens, more egg money! Have you had brooding losses? Do you have a steady loss among the old hens? Would you like to know how to raise stronger and huskier chicks? Would you like to know how to get full egg baskets? Here's how:

Raise Poultry the "Tribune-Way"

Poultry Tribune editors, from experience gained at our own experimental farm, keep you posted on the newest ways to more profit. In every issue they report the latest information on brooding, feeding, housing, disease control, and more. Follow this successful method: make more money.

Beautiful Colored Breed Pictures

During the winter months Poultry Tribune publishes full-page natural-color poultry breed pictures. Each one costs over \$500, but you get them FREE with your subscription.

Your Questions Answered FREE Poultry Tribune subscribers may have FREE poultry advice from the editors. All you need is to write a letter explaining your troubles. You get a prompt reply. And remember all this is included at no extra charge in the quarter you send for 15 months. It pays to keep posted.



Results from Experimental Farm

Poultry TRIBUNE is the only magazine for poultrymen that operates its own experimental farm, where its editors meet yearly to solve problems and learn first hand what to do about them. Bentley Wilson, our farm superintendent, writes a monthly page, "Timely Tips From the Farm." This department is the most interesting in Poultry TRIBUNE and also is more than worth the subscription price of the entire magazine.

IMPORTANT: We believe you will make more money from poultry than by reading Poultry TRIBUNE, so we suggest you mail your subscription today. Send it direct to Poultry TRIBUNE.

H. M. SHEER CO.

MUTUAL BENEFIT

Farm Journal and Farmer's Wife does not generally offer one year subscriptions; but since we believe that reading this splendidly illustrated farm, household, garden and news magazine is the greatest benefit to our friends and patrons, and so indirectly to us, the Publishers have co-operated by making this

12 MONTHS 25c

GET-ACQUAINTED-OFFER

Farm Journal and Farmer's Wife is published monthly; big issues; new timely features; fine pictures; beautiful colored covers. Brief, easy to read; 65 years old, largest subscription list in the world—over 2,650,000 from Maine to California; Money back if not satisfied.

UNLIKE ANY OTHER MAGAZINE

For folks who live in the Country and love the Country. Printed on fast-turning presses, this Month-Ahead Magazine gets the important news to you first when it is valuable and useful. Farm Journal section: Latest ideas in farm practice, machinery, equipment, livestock, dairying, poultry, crops, orchard, garden, and everything about the farm. Regional Farm News gives nationwide information. Weather section. Farmer's Wife section carries new practical ideas on home decorations, fashions, fancy work, health and beauty. Foods, recipes tested in our own farm kitchen. Features on country life. Farm Women's letters, etc. Fiction by nationally known authors. Youth section: Latest 4-H Club and FFA news, answers to youth's problems, games, moving, quiet, parties, amusements, sports, aviation, hobbies, success stories, money-making ideas, jokes, cartoons, etc.

WILL HELP YOU GROW A VICTORY GARDEN

Mail this Mutual Benefit Coupon today with 25 cents (not necessary) direct to Farm Journal and Farmer's Wife, Dept. C., Philadelphia, Pa.

GIFT SUGGESTION

Send a year's subscription to a friend. The Publishers will mail Gift Card with your name as Donor if you will request it on a separate piece of paper.

Broader Seed & Plant Co.

If you are now a subscriber, you may mail your gift this Valuable Coupon to a friend who is not

TRY THIS BIG LIVE MAGAZINE NOW!

12 MONTHS

Easy to read—you'll like it

YOU will be delighted and wonder how these two great up-to-the-minute illustrated magazines, now printed together, can cost so little. It's for all—men, women, boys and girls.

ONLY **25¢**



Farm Journal and Farmer's Wife, Dept. C, Phila., Pa.

Enclosed is 25c for FARM JOURNAL and FARMER'S WIFE 12 months. My money back if not satisfied.

My Name is

R. F. D. Box or Street

If you live on a R. F. D. put route number in first space above for prompt service.

P. O. State

IMPORTANT: Coupon must be sent direct to Farm Journal and Farmer's Wife, Dept. C, Philadelphia, Pa., with 25c (at our risk). Offer good only in U. S.

SEE
OTHER
SIDE

Get 3 Big Issues FREE

AMERICA'S LEADING POULTRY MAGAZINE OFFERS YOU

Would you like to get three big, newsy, well-illustrated issues of the best poultry magazine at no extra charge? Let us tell you exactly what to do to make lots of money from your chickens and eggs. Through the courtesy of your hatchery, Poultry TRIBUNE now makes you this special, cut-price introductory offer—15 months for only 25¢! Equal to 3 issues FREE. You pay for 12 but get 15. Or better yet, if you prefer to send 50c we will give you 36 months. Based on regular price of 25c per year you get 12 months free on the 50c offer. This special cut-price offer good only in U. S.

15 MONTHS
for only

25¢



Send to POULTRY TRIBUNE, Mount Morris, Ill.

☐ I'm enclosing 50c for
36 months Poultry Tribune

☐ I'm enclosing 25c for
16 months Poultry Tribune

☐ New Sub.
☐ Renewal

Name

Street or R.F.D.

City and State

Only 1 1/2¢ Per Month About 1 1/2¢ per month is all Poultry TRIBUNE costs on this special offer. From the TRIBUNE you may learn how to increase your egg production 25% to 50%—hundreds of dozens. Yet, only one extra egg per month from your whole flock will more than repay the small cost of your TRIBUNE subscription.

CHECK WHICH OFFER YOU PREFER. MAIL NOW

Help Increase Egg Production With These Supplies

INCREASE EGG PRODUCTION During the Profit Months with Electric Lights. Many operators report as much as 35% increase. Most important of all—the length of day must be uniform. A Brower electric time switch will do this job for you. Repeated tests have shown that irregular time of lighting—too frequently the case in manually or makeshift operated systems—actually resulted in decreased egg production.



A thoroughly dependable automatic control of lights is necessary for maximum uniform results. We offer two switches, both of which are fully described below and illustrated at the right. Select the switch best suited to your requirements.

No. 301P—LIGHTS ON AND OFF

Some poultrymen like to start the hens early in the morning and let them end the feeding and laying day at normal sunset. This requires only a standard ON and OFF control switch—set to turn the lights on at 3:00 to 4:00 A. M. and off at sun rise—giving the birds a 13 to 14-hour day. Accuracy of timing reduces power bills. Consistent with quality the Brower Switch is low in cost and economical to buy and operate.

No. 43-301P—ON and OFF Electric Time Switch—Synchronous—Capacity 3,000 Watts—for 110 Volt, 60 Cycle A.C. Shipping weight 4 lbs. Price each.....\$13.00

No. 302P—MORNING AND EVENING LIGHTING

This arrangement most nearly approximates the summer daylight hours and so is preferred by the majority of poultrymen. The automatic control turns the lights ON at a predetermined time—about 4:00 to 5:00 A. M., OFF at sundown; then ON again at sundown and OFF again at 7:00 to 9:00 P. M., at which time dimmers are turned on for a 20-minute roosting period. Time changes, to suit changing sun conditions, can be made in one minute. Simple in construction. No resistances to burn out or get hot, making it practically trouble-proof. Its tested and approved electric clock requires no winding and is self-starting. It will perform any practical number of operations in the 24 hours and is designed so that lights may be turned on and off automatically, either with or without the "dim" periods. Operators claim that an efficient lighting system will increase egg production 25 to 35%. Can be installed at any point in wiring system. Diagram and full directions for wiring are furnished. Mailable.

No. 43-302P—Morning and Evening Lighting Time Switch—Synchronous—Capacity 1,500 Watts. For 110 Volt, 67 Cycle A.C. Shipping weight 5½ lbs. Price each.....\$18.50



For Poultry
Houses

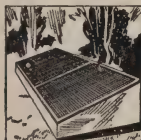
DOPLEX—Substitute for Glass—Costs Less

DOPLEX permits Ultra-Violet light to pass through. These health-giving rays of the sun promote the growth of chickens, turkeys, etc., also all animal and plant life. DOPLEX is made from two continuous sheets of transparent cellulose acetate, cemented and pressed tightly together with a reinforcing mesh of strong, cotton cord between. It provides ample protection against cold and dampness. It is light, flexible, long-lasting, easy to handle.

One customer writes: "We are one of the largest producers of Giant Bronze Turkeys in Ohio. Using no glass, the records show that out of every 100 turkeys, 32 per cent had developed rickets to some degree. By installing common window glass, rickets were reduced to approximately 26 per cent. At present all regular glass has been removed and DOPLEX Glass Substitute installed, and rickets have been reduced to less than two per cent."



For Sun Porches



For Plant Sash

Catalog No. 43-347

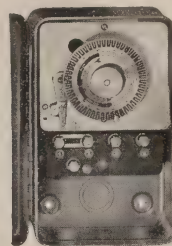
Length	Width	Contains	Shipping Weight Per Roll	Price Per Roll
10' roll	36"	3½ sq. yds.	2 lbs.	\$ 2.25
25' roll	36"	8½ sq. yds.	4 lbs.	5.25
50' roll	36"	16½ sq. yds.	7 lbs.	11.40
100' roll	36"	33½ sq. yds.	11 lbs.	22.80
Sold only in Roll Lots			Mailable.	

GENUINE TURNER BROS. GLASS CLOTH

Glass Cloth readily transmits the vitalizing ultra-violet health rays of the sun. Used in poultry houses, it helps to promote increased egg production. Also suitable for scratch sheds, hot beds, sleeping porches, storm doors, etc. Transparent, weatherproof and water-proof. Admits abundant light which diffuses to all parts of the enclosure. Comes in rolls 36" wide. A 45' roll will cover scratch shed 9'x15' and 150' roll will cover shed 50'x15'. Weight of 150' roll 33 lbs. Mailable. Sold only in roll lots.

No.	Length	Width	Contains	Weight Per Roll	Price Per Roll
43-344	15' roll	36"	5 sq. yds.	3 lbs.	\$ 1.70
43-344	30' roll	36"	10 sq. yds.	6 lbs.	3.30
43-344	45' roll	36"	15 sq. yds.	9 lbs.	5.00
43-344	150' roll	36"	50 sq. yds.	33 lbs.	16.65
43-344	300' roll	36"	100 sq. yds.	65 lbs.	33.30

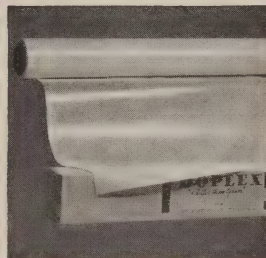
All Prices F. O. B. Quincy, Ill.



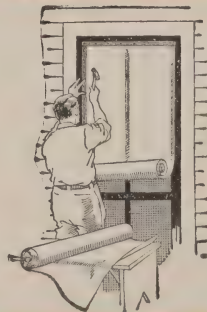
No. 301P Time Switch
Lights On and Off Only



No. 302P Time Switch
Lights On and Off, Plus Dimming



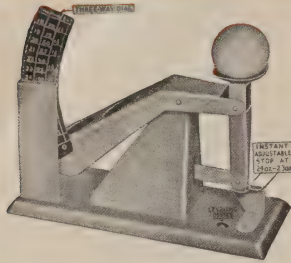
Duplex Glass Cloth



Turner Glass Cloth

Order Now While Supplies Are Available

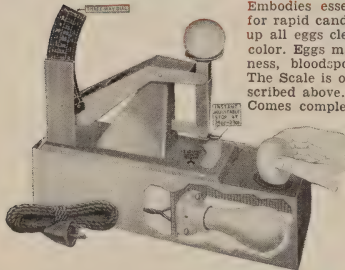
Accurate — Dependable
Lasting



1. Substantial and rigid construction; baked enamel finish.
2. Polished brass bearings insure extreme accuracy.
3. Ball-bearing level in base indicates when scale is level—this insures accurate weighing.
4. Triple-Duty black face dial with Polished White Numbers show instantly weight of eggs in ounces, from 13 to 30 oz. per dozen—also individual weights from 1½ to 2½ oz. per egg—and grades by the Point System.

5. Two-Way Instant Adjustable Stop shows egg weighing 23 or 24 oz.—a great time-saver for weighing eggs for setting.
 6. No Springs and screws to lose, or levers to get out of alignment.
 7. Large Egg Cup is extra assurance against egg breakage. Every hatchery should provide their flock owners with this first-class Scale. This Scale approved by Poultry Tribune Experimental Farm. Sold on a Money-Back Guarantee.
- No. 43-579—DELUXE EGG SCALE. Made of heavy steel plate, attractively finished. Size 3½x8½ inches, 6 inches high. Packed one in carton. Wt. 2 lbs. Price each, postpaid.....\$1.45

EGG SCALE AND CANDLER



Embodies essential weighing features for rapid candling and grading. Shows up all eggs clearly, regardless of shell color. Eggs may be candled for freshness, bloodspots, cracks, or fertility. The Scale is our DELUXE MODEL described above. Well made throughout. Comes complete with light bulb, cord and plug. For 110 voltage. Fully guaranteed.

- No. 43-685—DOUBLE DUTY EGG SCALE AND CANDLER.
Weight each, 3 lbs.
Price each.....\$2.65

Postpaid in U. S. A.

“BINGO” EGG STAMP



Prints on sides or ends of eggs. By the use of this stamp you will always be able to tell how old eggs are. Fine for stamping dates on egg cases.

- No. 43-5890—ROUND STYLE with dates and name.....\$3.00
No. 43-5891—With name, less date.....2.50

All Postpaid in U. S. A.

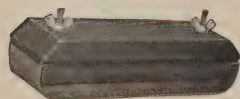
Wooden and China Nest Eggs

Enamelled white; highly polished. Unbreakable in ordinary usage. Long lasting. Easy to keep clean. Packed one dozen in a carton.

- No. 43-341—WOODEN NEST EGGS.
Per dozen.....\$0.40
No. 43-342—CHINA NEST EGGS.
Per dozen......40

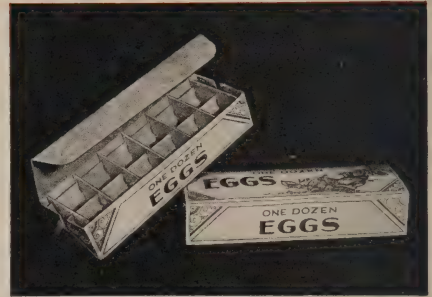
Postpaid in U. S. A.

MAGIC EGG CLEANER



Clean eggs sell at higher prices. This Egg Cleaner does the job easily and thoroughly. Made of basswood. Cleaning cloth securely held in place over sponge rubber cushion. Cloth easily replaced.

- No. 43-130X—EGG CLEANER. Each, postpaid.....\$0.35
No. 43-131X—Cleaning Cloth. Roll of 10 ft., postpaid......60



Thousands of Farmers and Poultry Farms that grade and sell eggs, and pack them in neat egg cartons, should be able to receive 5c to 10c more per dozen. This should mean many dollars of extra egg profits yearly. Remember the use of Marvel or Premier cartons will be a profitable silent salesman, and very profitable investment. Marvel and Premier are of substantial cardboard construction.

MARVEL 3x4 ROW CARTONS

- No. 43-428M—
250—Shipping weight, 29 lbs.....\$1.95
500—Shipping weight, 57 lbs.....3.93
1000—Shipping weight, 112 lbs.....7.33

PREMIER 2x6 ROW CARTONS

- No. 43-428P—
250—Shipping weight, 39 lbs.....\$ 3.15
500—Shipping weight, 76 lbs.....6.15
1000—Shipping weight, 150 lbs.....11.55

Prices F. O. B. Quincy

STAMP YOUR NAME ON CARTONS

Rubber Stamp, 1"x3", with your name, address and phone number, suitable for imprinting on egg cartons and other farm produce you sell.

- No. 43-458—Postpaid\$1.25

USE DELUXE BROILER BOXES

To Help Increase Sales of Broilers at Premium Prices

These boxes are made of heavy, paraffined, white bleached, manila-lined newsboard. They are made in one size—suitable to accommodate a two to three-pound dressed broiler. They are printed on three sides with an attractive design as shown in the illustration. Printing is in green ink. Shipped flat, easily and quickly assembled without staples or tape.



- | No. | Size | Weight Per 1000 | Price 100 | Price 500 | Price 1000 |
|---------|---------|-----------------|-----------|-----------|------------|
| 43-5477 | 3½x4x8" | 150 lbs. | \$2.05 | \$9.60 | \$17.60 |

F. O. B. Quincy, Ill.

WOOD SHIPPING COOPS

For Pullets and Broilers. A strong, wire-bound crate of tough ¾" veneer. Sides and bottom are made up in one piece. Ends manufactured complete. Nail in the ends, twist the end wire, and crate is set up ready to use. Size 36"x12"x24". Wt. 14 lbs. each.

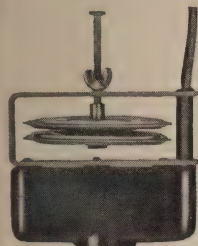


- No. 43-X3—COOP. Each.....\$1.55
3 in crate.....4.15
5 in crate.....6.55
- | | 25 in crate | 50 coops | 100 coops |
|--|-------------|----------|-----------|
| | \$ 30.50 | 57.20 | 113.55 |

F. O. B. Chicago or Illinois Warehouse.

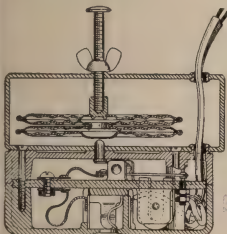
ELECTRICAL AND OIL BROODER SUPPLIES

Electric Thermostat Switch For Use on Most Any Make of Electric Brooder or Home-Made Types



C-38S Switch

The C-38S Switch is used for controlling battery brooders. Furnished with two 6" pigtails. Has load line plug-in.



C-38S Switch

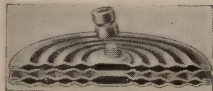
The C-38S Switch is for wiring into battery brooders. Furnished with two 6" pigtails and 3" double brass wafer. Has load line plug-in. Illustrated above.

Prices and Specifications

No. 43-C-38S—Switch as described above with one 3" Double Wafer. Wt. 1 lb. Price each.....\$2.30
No. 43-H-38S—Switch as described above with one 3" Double Wafer. Wt. 1 lb. Price each.....\$2.30
Postpaid in U. S. A.

THERMOSTAT WAFERS

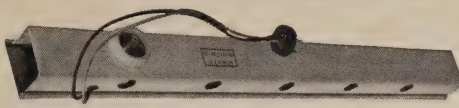
Every Brooder Should Be Equipped With a New Wafer Every Year



The Universal Double Type Wafer is readily adapted for use on nearly all oil, electric and coal brooders; incubators and battery brooders, namely, Browers, Buckeye, Reliable, Macomb, Oakes, Hudson, Jamesway, Kline, H. M. Sheer, Sol-Hot, Anderson, Royal, Silent Sloux, Montgomery-Ward, Sears, Jim Brown, Bell City, Moe. Accurately made to insure long, dependable service. Every Wafer is hand soldered; triple tested in oil to assure accuracy; thoroughly cleaned, and finally is given a special dressing to prevent corrosion. When ordering specify make of brooder or incubator.

No. 31W—3" Double Universal Wafer. Each, POSTPAID.....\$5c

Electric Space Heating Element



No. 43-5003-S—ELECTRIC ELEMENT, 100-watt, with socket. Each.....\$2.10
No. 43-5003—ELECTRIC ELEMENT, 100-watt, less socket. Each.....1.80
No. 43-5003-S—ELECTRIC ELEMENT complete with No. 43-38-S Automatic Temperature Control Switch, shown at left.....4.40
Postpaid in U. S. A.

Economical heating element. Ventilated type for Brooders, Show Window Defroster and Hot Beds. Steel case, nichrome heater coil, porcelain insulation, with or without light bulb socket. Length 23 3/4" x 1 1/2" x 2 1/4". Shipping wt. 2 lbs. Same as used in Drawer Type Brooders.

Special Violet Light Bulbs

Assist in Preventing Cannibalism

For 110 Volts



This is a special pure Violet glass bulb, not a common painted bulb; has carbon filament.

Violet light assists in preventing cannibalism, makes a fine pilot light and heating element for Batteries and Floor Brooders. Used and recommended by thousands of poultry raisers. Protect your chicks and avoid serious losses. Order your supply at once.

No. 43-V—Special Violet Light Bulbs, Each.....\$0.75
6 for4.50
Postpaid

Sun Hinge Burners



Successful burners for lamps, incubators, brooders and fountains. Single wick.

No.	Size	Size Threads	Size Wick	Price Each
43-921	1	7/8	5/8	\$0.45
43-922	2	1 1/8	5/8	.55
43-923	3	1 3/8	1 1/2	.70

All Postpaid in U. S. A.

METAL CHIMNEYS

For Incubators and Brooders. Galvanized steel with mica window; 6" high. Postpaid in U. S. A.

No.	Each	Doven
43-11—For size 1 Burner.....	\$0.25	\$2.10
43-22—For size 2 Burner.....	.25	2.40
43-33—For size 3 Burner.....	.35	2.40

RED FELT LAMP WICKS

No.	For size 1 Burner. Per doz.	For size 2 Burner. Per doz.	For size 3 Burner. Per doz.
No. 43-2080—	\$0.20	.50	.60
No. 43-2090—	.50	.50	.60
No. 43-2100—	.60	.60	.60

Postpaid in U. S. A.

DEPENDABLE BROODER THERMOMETERS

No. 43-400A Brooder Thermometer



This handy style Thermometer was especially designed to insert through hole in top of brooder, placing the bulb in the actual brooding temperature. Held in position by metal washer. 4 1/2" white enameled scale with black figures and graduations. Wood frame. Magnifying lens tube filled with non-fading red liquid. Range 30 to 120 degrees Fahrenheit.

No.	Each
No. 43-400A—8" long.....	\$0.45
No. 43-400A—10" long.....	.50

Postpaid in U. S. A.

No. 43-12C Brooder Thermometer



Variation of a few degrees in brooding temperature often marks success or failure for the poultry raiser. Use this accurate, dependable Brooder Thermometer. Green enameled frame 7"x1 1/2". Scale and numerals in black for easy reading. Registers from 20 to 120 degrees Fahrenheit. Non-fading red spirit, magnifying lens tube.

No. 12C One in carton. Price.....\$0.30

Postpaid in U. S. A.

WRITE TO ADDRESS ON FRONT COVER FOR FREE CATALOG
SHOWING THE WORLD'S LARGEST LINE OF POULTRY SUPPLIES

HATCH YOUR OWN

CHICKS—GAME BIRDS
POULTS—DUCKLINGS

TWO STYLES—THREE SIZES

624 AND 1200-EGG CAPACITY

"DeLuxe Hatchers" are built for a long life of efficient, low-cost operation. Sturdy, triple construction of California redwood. Highly efficient insulation. All trays interchangeable of light white pine—well braced. Heat is supplied by approved coil type heaters and temperature automatically controlled by sensitive thermostat. Built to maintain uniform temperature. All machines are fully accessible for cleaning. Attractive, durable finish. Hardware of brass and nickel. Complete with high-grade thermometer, hygrometer, thermostat heat control, pilot light, moisture pans, etc. Plug into a 110-volt, 60-cycle current connection and the machine is ready to operate. In the "DeLuxe Hatchers" all eggs are fully and safely turned in trays by a special turning device.

HATCH AND SAVE \$3.00 TO \$8.00 ON EACH 100 CHICKS

With the DeLuxe you can hatch your chicks, ducks, turkeys, pheasants and other game birds. By using eggs from your own flock, you should be able to save \$3.00 to \$8.00 on each 100 chicks hatched, depending on quality, etc. In addition you can do custom hatching for your neighbors and earn many extra dollars which should soon pay for cost of hatcher. Operating cost should not exceed $\frac{3}{4}$ ¢ to $\frac{1}{2}$ ¢ per chick. This type machine is furnished in two sizes—624 and 1200-egg.

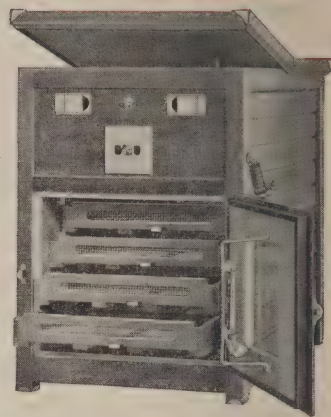
Specifications and Prices

624-Egg—Over-all dimensions, 22"x37"; height, 44"; total wattage, 289.
1200-Egg Capacity—Over-all dimensions, 22"x46"; height, 55"; total wattage, 400.

No.	Egg Size	No. of Trays	Eggs Per Tray	Shipping Weight	Price
43-624	624	6	104	200	\$ 81.95
43-667	1200	8	152	296	134.20

For 110-120 Volt A.C., 60 Cycles.
F. O. B. Quincy or Mo. Warehouse.

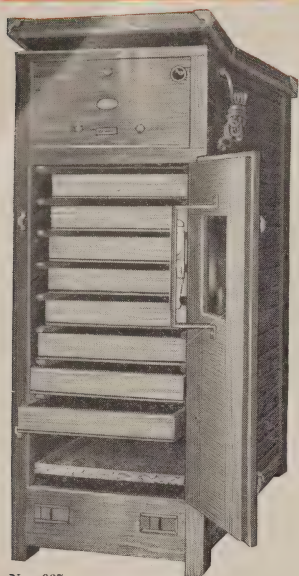
400-EGG CAPACITY



No. 400
400-Egg Capacity

For small flocks, this 400-Egg Hatcher is ideal. Constructed similar to the two sizes described to the left. Heater made of nichrome wire coil. Motor is sealed and has ball-bearing fan. Has double switch control. Safety switch operates on a rise of less than one degree, turning on alarm. Operating switch controls temperature within a fraction of a degree. Equipped with 4 trays, each holding 100 eggs. 8" fan. Heater wattage 150. Dimensions, 23"x38½"x32".

No. 43-400—400-Egg Hatcher.
Wt. 170 lbs. \$70.25
F. O. B. Quincy, Ill.



No. 667
1200-Egg Capacity

80-85% HATCHES

The DeLuxe Hatcher I bought from you is too small to take care of the orders that I am getting for baby chicks. My hatches are turning out excellently, hatching 80 to 85 per cent of all eggs set. I think you have an excellent product and your incubators.—J. R. Collier, Arkansas.

Whip the Labor Shortage with a Feed Mixer

MINIT-MIX, THE NEW "CHORE BOY"

The scarcity of farm help calls for labor-savers on the farm. The "Minit-Mix" Feed Mixer will do the job of mixing all kinds of feeds quickly and thoroughly and should save you up to \$1.00 on every 100 pounds you mix, which should soon pay cost of mixer. Furnished in both hand-operated and power models. The hand-operated model is so easy to operate a girl or youngster can handle it. Mixes up to 150 pounds of feed per batch in a minute or so. Power model is furnished complete ready for operation, less the motor. A ½-h.p. motor does the job. Motor not supplied. If you do not have a motor, a used motor from ¼ to ½ h.p. can be purchased locally very cheap. Sturdily constructed throughout of Hard Presdwood and quality lumber, protected with a heavy coat of paint, combined with necessary metal fittings for long life. 41" from floor—easy to fill. Interior design of the "Minit-Mix" permits the mix to be emptied in a moment into any container approximately the size of a bushel basket. A full charge can be unloaded in 2 or 3 baskets. Furnished in convenient 150-lb. capacity only.



No. 1150P—"Minit-Mix"

SAVE TIME AND MONEY . . . PRICED LOW

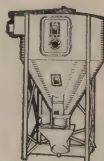
There are many ways in which you can save many dollars and labor with "Minit-Mix." Think also of the gasoline and tire wear you can save—just in special trips to town, eliminated when you have the "Minit-Mix." Your feed dealer can deliver supplies of mineral and supplement to your farm almost as usual—as well as seed, insecticides, inoculants, etc. And with the "Minit-Mix" you can prepare your own fresh feeds, as you need them, by using your own grains. Blend and inoculate your own seeds and save valuable time and make efficient use of farm produced materials. View to left shows hand-operated "Minit-Mix."

No. 43-1150—Hand-Operated "Minit-Mix". Wt. 92 lbs. \$24.75
No. 43-1150P—"Minit-Mix" for Power Operation (Less belt and motor).
Wt. 92 lbs. 28.50

F. O. B. Quincy, Ill.

700-2000 LB. SIZES

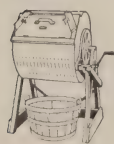
Write today for free literature, describing larger size Vertical Type Feed Mixers. Capacity 700 to 2000 lbs., both above and below floor types—a mixer to suit every requirement.



To the farmer, poultryman, dairyman, or other users of mixed feeds, much can be realized in reduced feed cost and with time saved by mixing your own feeds to the best formulas, using mostly home-grown grains. Earnings are thereby increased greatly in most instances, as better "weight gains" are secured in fattening and feeding, and in greater milk and egg production.

HAMMER MILLS

The use of a hammer mill will enable you to grind your own home-grown grains and save time and money. We have a limited quantity of Hammer Mills available—write today for free descriptive literature.



Bills or Silver	\$
Draft or Check	\$
Ex. Money Order	\$
Post Office Order	\$

Total	\$

SPECIAL NOTICE—Always send remittance with your order. Our business is done on a strictly Cash Basis. This insures lowest possible prices and prompt order handling. Due to the perishable nature of nursery stock when shipments are refused, we do not ship any orders C. O. D.

This order accepted subject to change if necessary due to any Federal or State regulations or taxes which may be in effect now or at time of specified shipping date.

Please Ship the Following To—

Date _____

Name _____

Street _____

R. F. D. No. _____ P. O. Box No. _____

Post Office _____ County _____

State..... Express and Freight Station..... If different from P. O.

(Illinois Customers—Add 2% to cover expenses incurred because of Retailers' Occupational Tax)

Mail Your Order Early — Plan a Large Victory Garden This Year

Use Plain Sheet for Listing Additional Items

SAVE MONEY

By Ordering the Bargain
Specials Offered in This Book

\$1.00 Victory Garden Special

- Postpaid
- 1 Large Pkt. Stringless Green Pod Bean
 - 1 Large Pkt. Golden Wax Bean
 - 1 Large Pkt. Golden Bantam Corn
 - 1 Large Pkt. Stowell's Evergreen Corn
 - 1 Pkt. Detroit Dark Red Beets
 - 1 Pkt. Danvers' Half Long Carrot
 - 1 Large Pkt. Alaska Peas
 - 1 Pkt. Early Scarlet Globe Radish
 - 1 Pkt. Purple Top White Globe Turnip
 - 1 Pkt. Icicle Radish
 - 1 Large Pkt. Henderson's Bush Lima Bean
 - 1 Pkt. Swiss Chard
 - 1 Pkt. Black Seeded Lettuce
 - 1 Pkt. Early Yellow Globe Onion
 - 1 Large Pkt. Telephone Peas
 - 1 Pkt. White Bush Squash
- See Page 4

\$1.95 Victory Garden Special

- Postpaid
- 1/2 Lb. Stringless Green Pod Beans
 - 1/2 Lb. Improved Golden Wax Beans
 - 1/2 Lb. Henderson's Bush Lima Beans
 - 1/2 Lb. Telephone Peas
 - 1 Large Pkt. Golden Bantam Corn
 - 1 Large Pkt. Country Gentleman Corn
 - 1 Pkt. Detroit Dark Red Beets
 - 1 Pkt. Giant Lucullus Swiss Chard
 - 1 Pkt. Early Flat Dutch Cabbage
 - 1 Pkt. Danvers' Half Long Carrot
 - 1 Pkt. Improved White Shime Cucumber
 - 1 Pkt. Black Seeded Simpson Lettuce
 - 1 Pkt. Hearts of Gold Muskmelon
 - 1 Pkt. Early Yellow Globe Danvers Onion
 - 1 Pkt. Early Scarlet Globe Radish
 - 1 Pkt. Icicle Radish
 - 1 Pkt. Purple Top White Globe Turnip
 - 1 Pkt. White Bush Squash
 - 1 Pkt. Bloomsdale Spinach
 - 1 Pkt. New Violet Albusum
 - 1 Pkt. New Cumin Zinnia
 - 1 Pkt. Giant Rose Queen Double Zinnia
- See Page 7

\$1.00 Apple Tree Special

For only \$1.00 we will send you the following two-year-old Apple Trees:

- 1 Red Delicious
- 1 Yellow Delicious
- 1 Jonathan

See Page 12

\$1.00 Peach Tree Special

For only \$1.00 we will send you 6 one-year-old Peach Trees (whole root), your selection of varieties on page 12.

\$1.85 Berry Special

Postpaid

All 15 of these choice Berries:

- 6 Thornless Boysenberries
- 5 Giant Red Latham
- 4 Cumberland Black Raspberries

See Page 15

Seeds at 8c Per Pkt.

Most all Vegetable Seeds and Flower Seeds are offered on Pages 4, 5, 6, 7, 8 and 9 at the Money-Save Price of 8c per pkt. This is a saving of about 20% over usual packet prices.

\$1.00 FLOWER SPECIAL

Postpaid

One Packet each of the following:

- | | |
|---------------------------|-------------------------|
| Alvessum—Little Gem | Phlox—Mixed Color |
| Aster—Giant Comet | Poppay—Mixed Color |
| Cosmos—Early Mixed | Snap Dragon—Giant Mixed |
| Delphinium—Aest. Color | Sweet Peas—Mixed Color |
| Marigold—African Mixed | Sweet William—Perennial |
| Morning Glory—Giant Mixed | Verbena—Annual Mixed |
| Nasturtium—Dwarf Mixed | Zinnia—California Giant |
| Petunia—Single, Mixed | |

See Page 9

\$1.00 ROSE COLLECTION

See Page 3

The following three Beautiful Roses are offered:

- 1 Joanna Hill—Bright Yellow
- 1 Radiance—Red
- 1 Kaiserin Augusta Victoria—White

All 2-year-old stock—Postpaid, only \$1.00

SPECIAL FARM AND HOME ORCHARD

Selection of Trees below will give you Apples, Peaches, Cherries, Plums and Pears, from June to November.

- | | |
|-------------------------|------------------------|
| All 2-Year-Old Trees | |
| 1 Red Delicious Apple | 3 Elberta Peach |
| 1 Jonathan Apple | 1 Hale Peach |
| 1 Stayman Winesap Apple | 1 Red Bird Cling Peach |
| 1 Early Richmond Cherry | 1 Bartlett Pear |
| 1 Montmorency Cherry | 1 Burbank Plum |

12 Trees—5 Different Fruits—All 3-4 ft. Trees

Regular Price \$5.50

Special Price \$4.25

See Page 13

DOMESTIC COFFEE BERRIES

Grow Them At About One Cent Per Pound

With the supply of coffee limited, you can grow your own domestic coffee at an expense of about 1c per pound. The Domestic Coffee Berry makes a delicious, nourishing food drink. One of the best Coffee substitutes we know of. Customers praise it. One from Ohio wrote on Dec. 7, 1942—"Will you have some more of that COFFEE seed for sale. It sure is a good product."

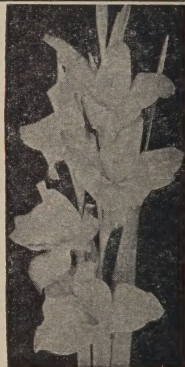
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A gorgeous collection—many colors and shades—including many select varieties. One of the outstanding bulb buys of the year. Every garden will want the distinctive beauty of a gladiolus bed. Be sure and include a substantial quantity of these high-grade No. 1 Top Size Gladiolus Bulbs on your order.

25 for 75c; 50 for \$1.25;
100 for \$2.25

All prices postpaid.



Luxuriant Lawns and Gardens THIS NEW EASY WAY



NO SPECIAL
NOZZLE
NO SPRAYER
NO EXTRA
ATTACHMENTS
TO BUY

VITAMIST

VITAMIZE
AS YOU SPRINKLE

NEW—simple, easy, quick way to VITAMIZE your entire lawn and garden. Assure yourself of gorgeous, luxuriant flowers and a beautiful, attractive lawn that will be the envy of your friends and neighbors.

NO FUSS—NO MESS—NO BOTHER
Simply remove the nozzle from your garden hose, drop a VITAMIST Cartridge into the hose, replace the nozzle and turn on the water. NOTHING ELSE LIKE IT. One Cartridge will VITAMIZE 1,500 square feet.

THIRTY WEEKS' SUPPLY . . . Postpaid \$100
Packed 30 cartridges in a box—enough to VITAMIZE 1,500 square feet once a week for 30 weeks.

Chaperone DOG REPELLENT

Keep Dogs Away from Shrubs, Flowers, Evergreens

Spray with Liquid Chaperone. A wonderful NEW dog repellent. Won't dissolve in rain. Lasts 2 to 3 weeks. Prevents dog damage. Harmless to plants. Order one or more cans today. Large 12-ounce can enough to protect 150-foot front.

Price, only.....\$1.00

Postpaid



BOOKS FOR PLEASURE AND PROFIT



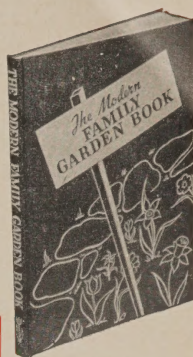
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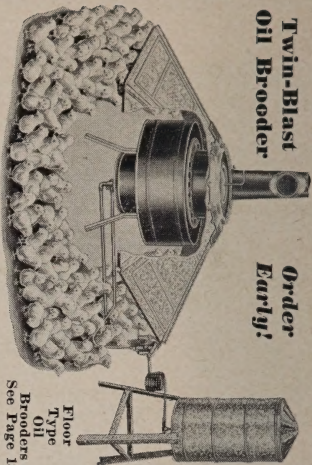
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**Twin-Blast
Oil Brooder**

**Order
Early!**



**Floor
Type
Brooders**
See Page 18

Poultry Equipment Section—Pages 17-28

If you need Poultry Equipment, be sure you select your requirements from our Poultry Equipment Section, Pages 17 to 28—

Electric Floor Brooder.....	Page 19
Oil-Heated Floor Brooder.....	Page 18
Yon and Blue Line Brooders.....	Page 19
Electric Heating Brooder.....	Page 18
Chick Broiler and Laying Founts.....	Page 22
Nests and Leg Bands.....	Page 23
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Incubators and Feed Mixers.....	Page 28

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Double Rose Flowering Peach

CARDINAL DOUBLE RED AND SPOTLESS DOUBLE WHITE

In the early spring trees produce an abundance of beautiful Double Rose type flowers of **Flaming Cardinal Red** or **Spotless White**. The blooms measure 1½ to 1¾ inches in diameter and the abundance of flowers all over the tree creates a beautiful effect in a lawn or yard. Blooms last 10 days or more and will be long remembered by yourself as well as talked about by your friends and neighbors.

Mr. W. J. Brewer is a great lover of flowers and said this about the **Double Rose Flowering Peach Trees** that bloom early in the spring: "They are the most beautiful flowering trees I have ever seen, and I would not part with them for three times their cost." Take Mr. Brewer's advice and order one or more. They grow and look like a peach tree. Plant about 10 ft. apart and keep well pruned yearly to produce an abundance of flowers. They bear a few edible peaches.

CARDINAL, DOUBLE RED—Produces large brilliant double red flashing flowers all over the tree in the spring. The blossoms are of the most brilliant white flowering peach. Produces great quantities of spotless double rose flowers—a beauty you will long admire.

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Prices by Express—not prepaid.	Each	6 for
2-3 ft.....	\$0.85	\$3.95
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Help Reduce Feed Bills

An excellent green feed for fowl. When cut—it resumes growth, and can be cut again and again; or the leaves can be stripped from stem. Plant does not head; produces a stout stalk—sometimes 3 to 4 feet high, loaded with leaves.

Catalog No. 43-387—Pkt., 10¢; 3 Pkts., 25¢; 1 oz., 5¢; ¼ lb., \$1.00; 1 lb., \$3.00. Prepaid in U. S. A.

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Cheap Greens for Poultry

Has been known to yield three tons of cabbage per acre. Where you grow it for poultry? One-half pound of seed has grown enough greens for a 1,000-hen flock for four months. In Northern States can be sown up to September and will keep growing. Buy the one-fourth or pound size and save money.

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